

FIG. 1(a)

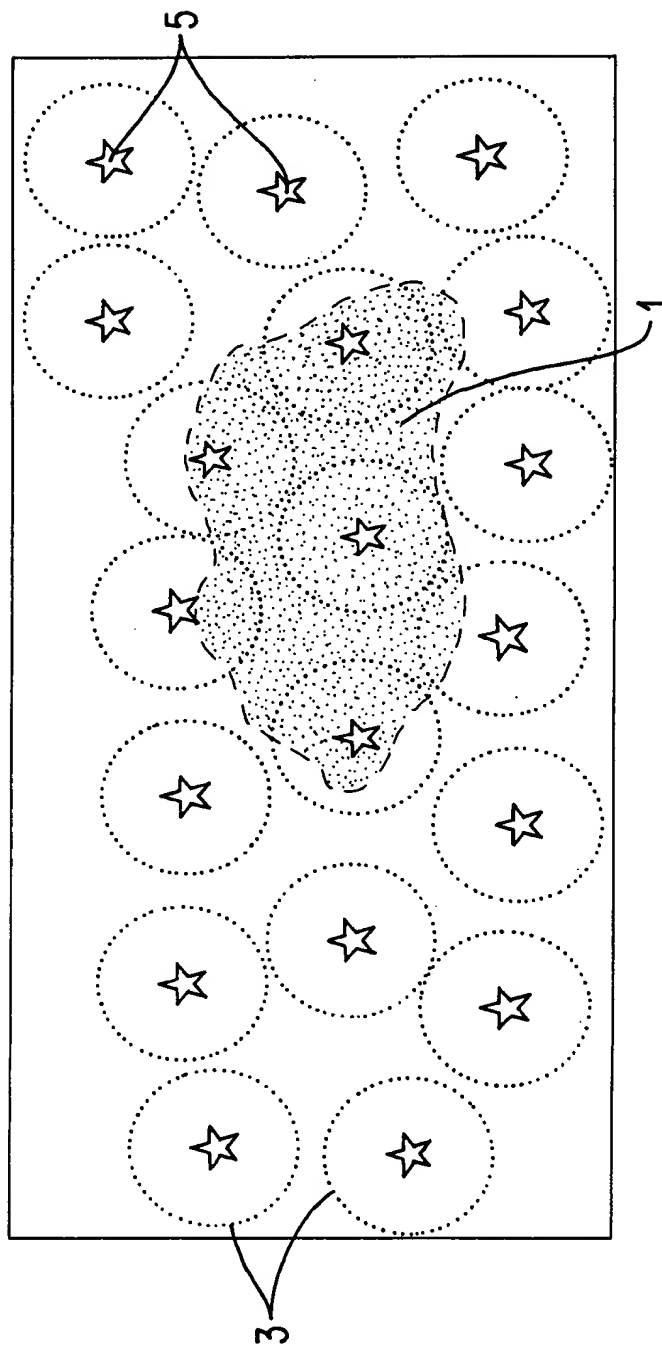


FIG. 1(b)

105250" 2499860

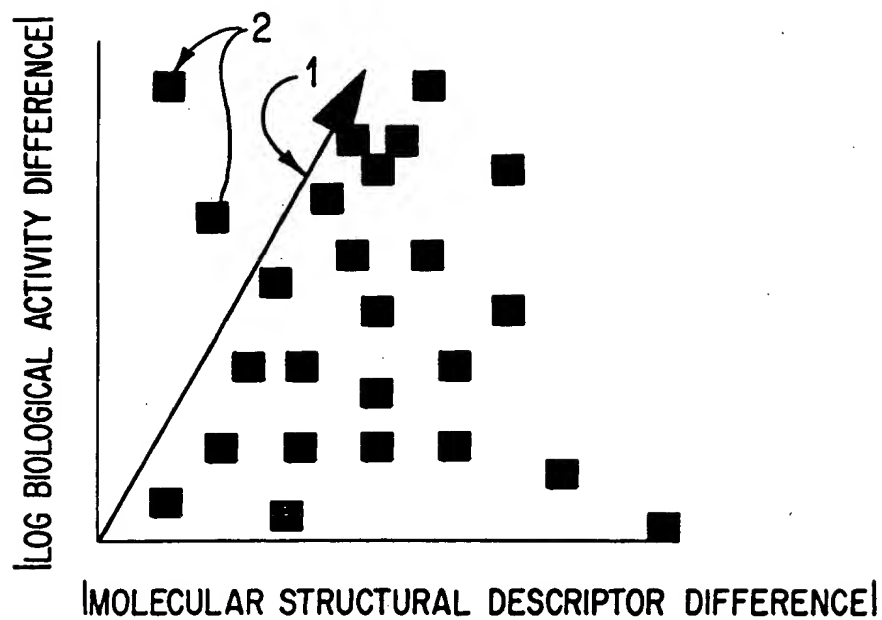


FIG. 2

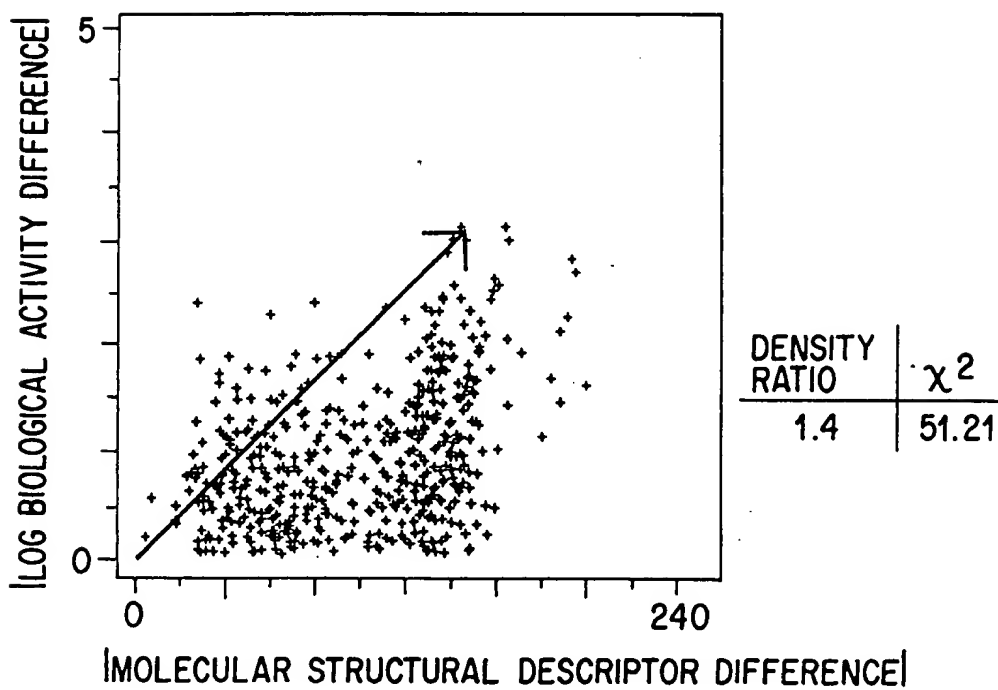
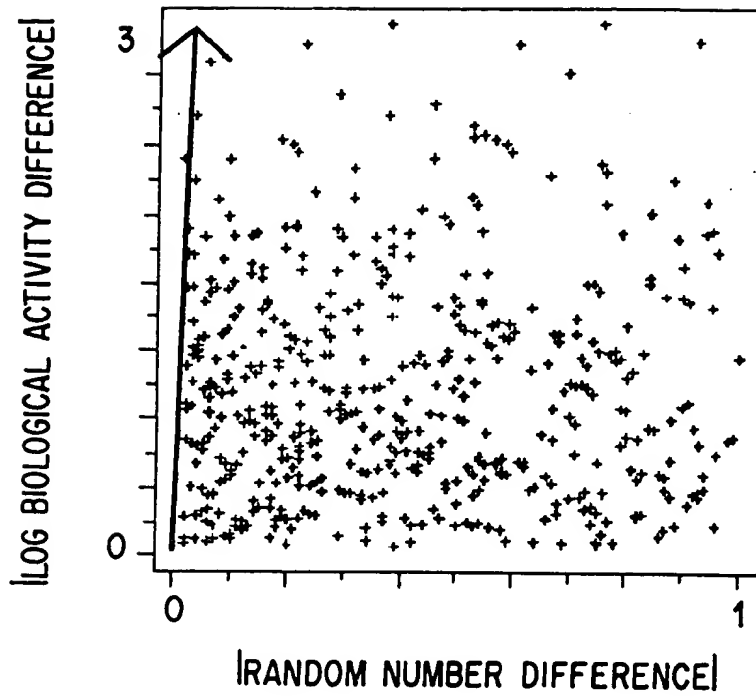
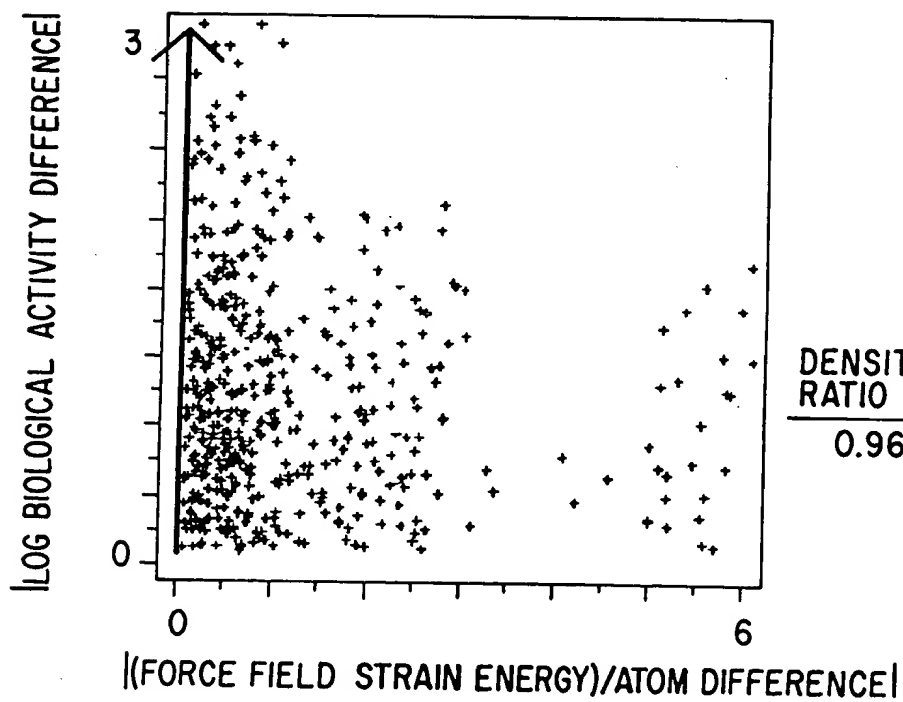


FIG. 3



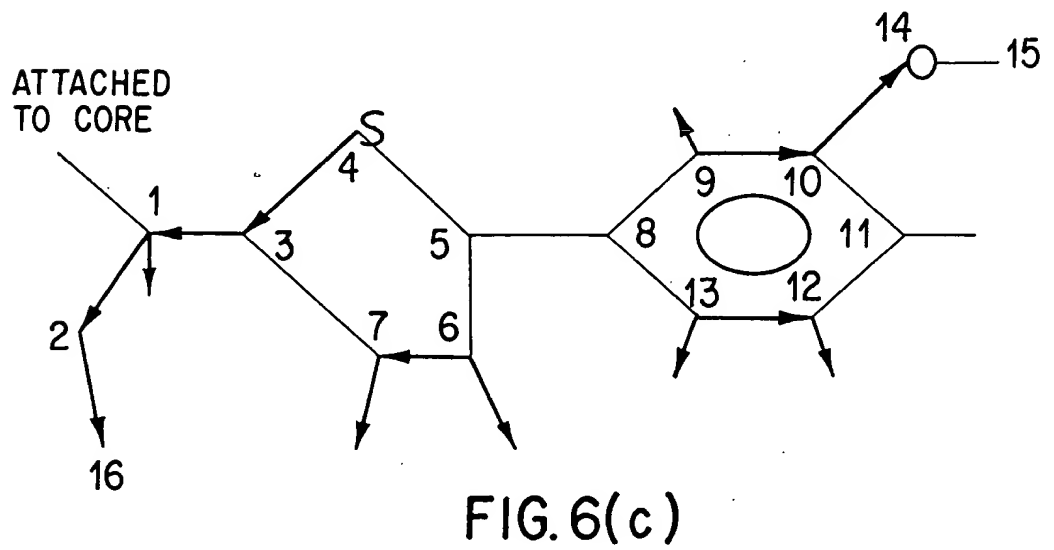
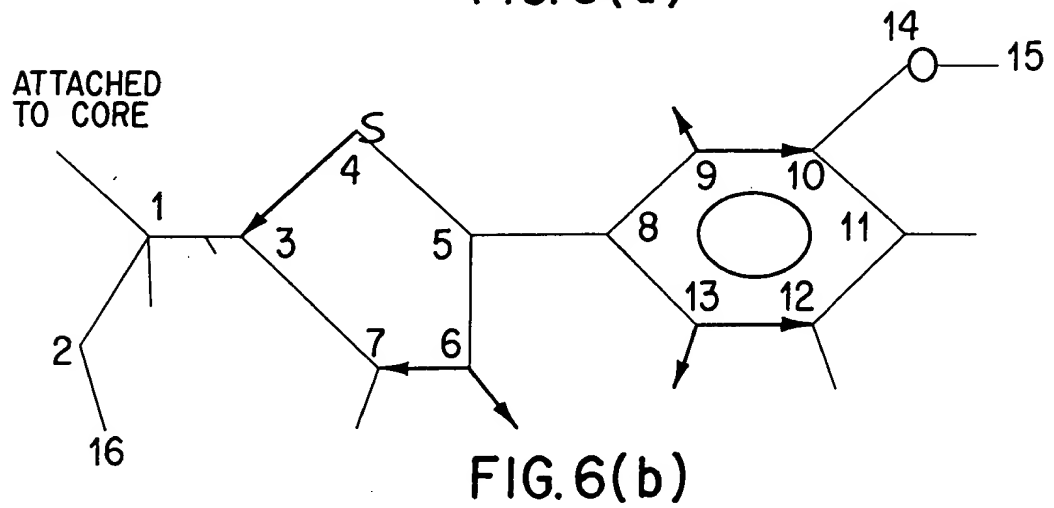
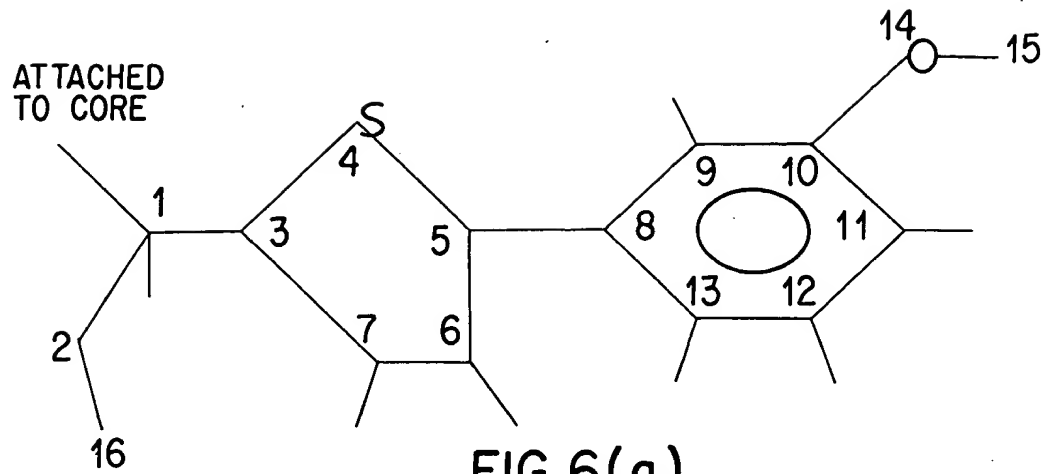
DENSITY RATIO	$\chi^2$
1.00	0.00

FIG. 4



DENSITY RATIO	$\chi^2$
0.96	0.46

FIG. 5



0906543.052501

0986543-052501

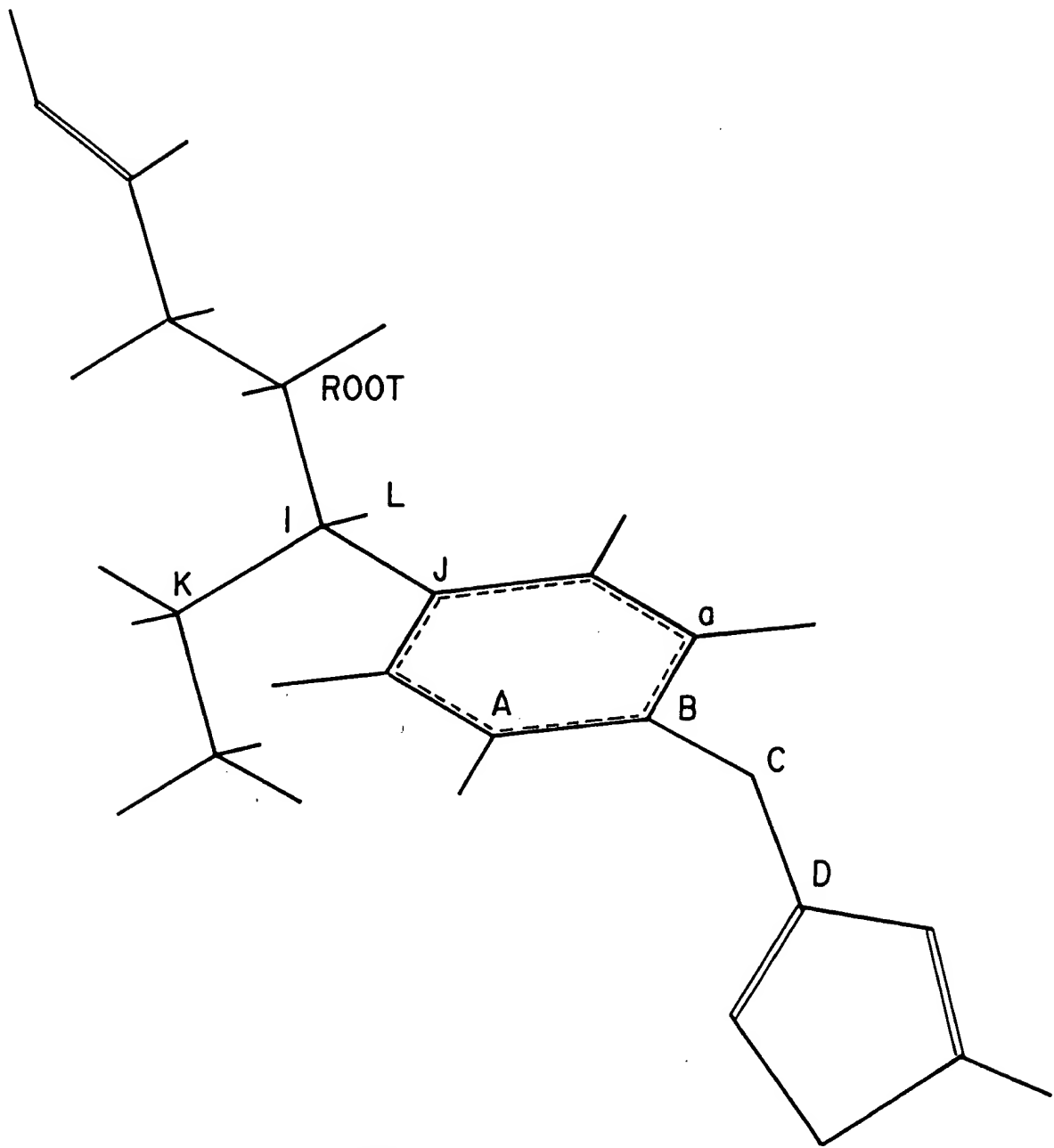


FIG. 6(d)

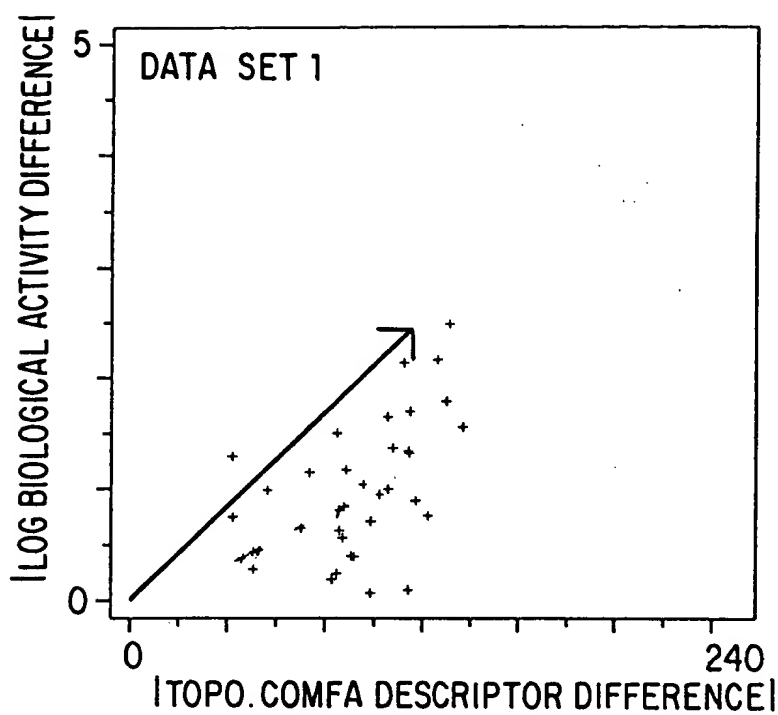


FIG.7(a)

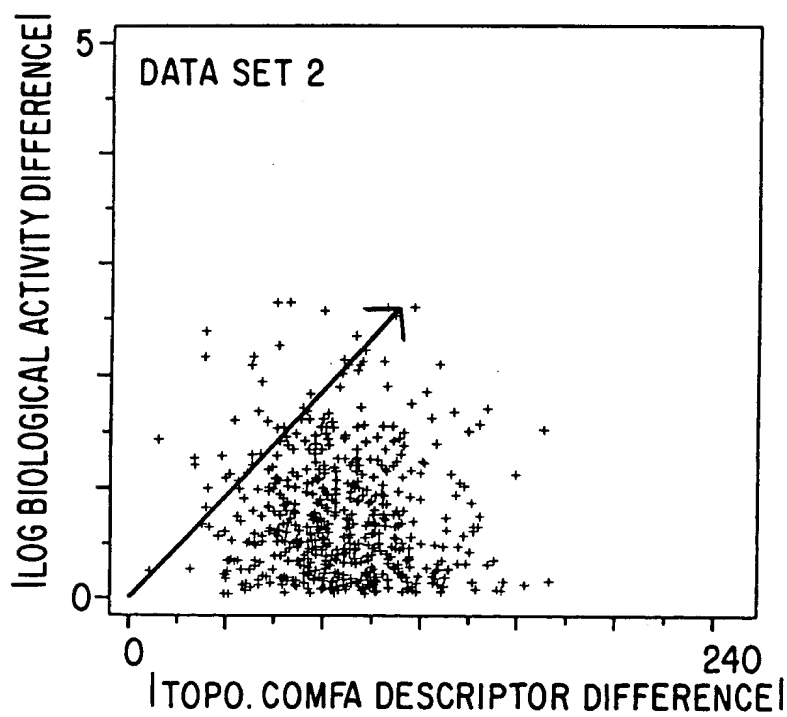


FIG.7(b)

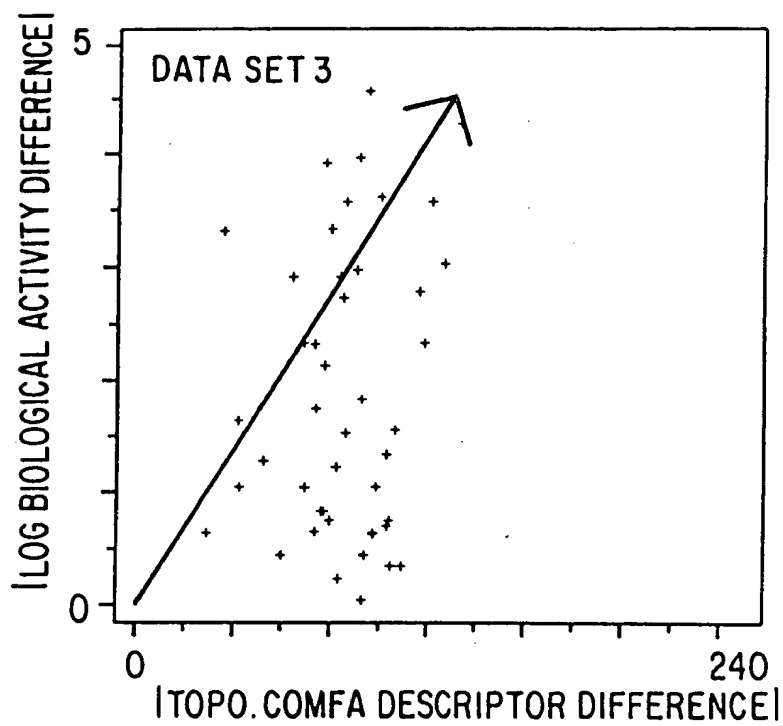


FIG. 7(c)

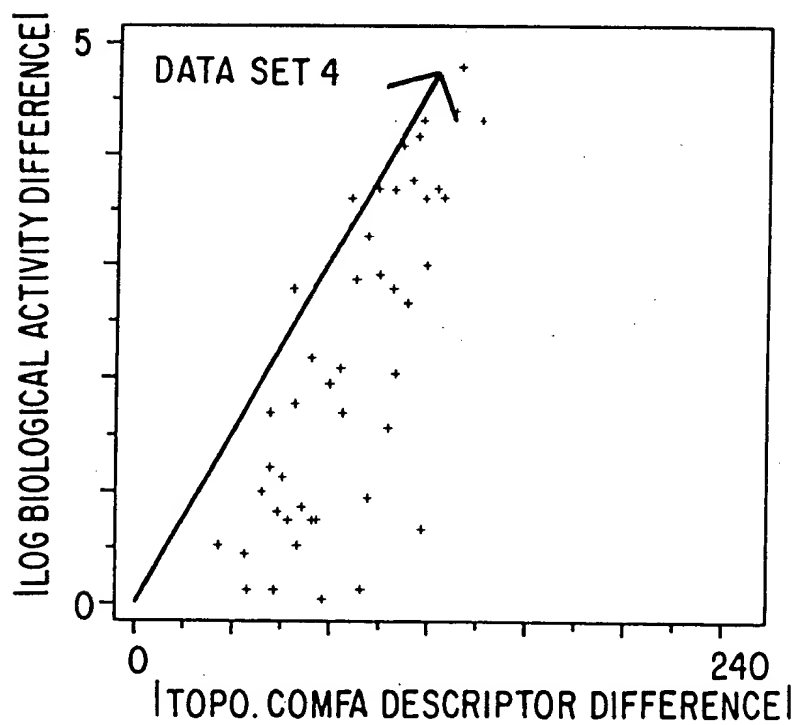


FIG. 7(d)



9/44

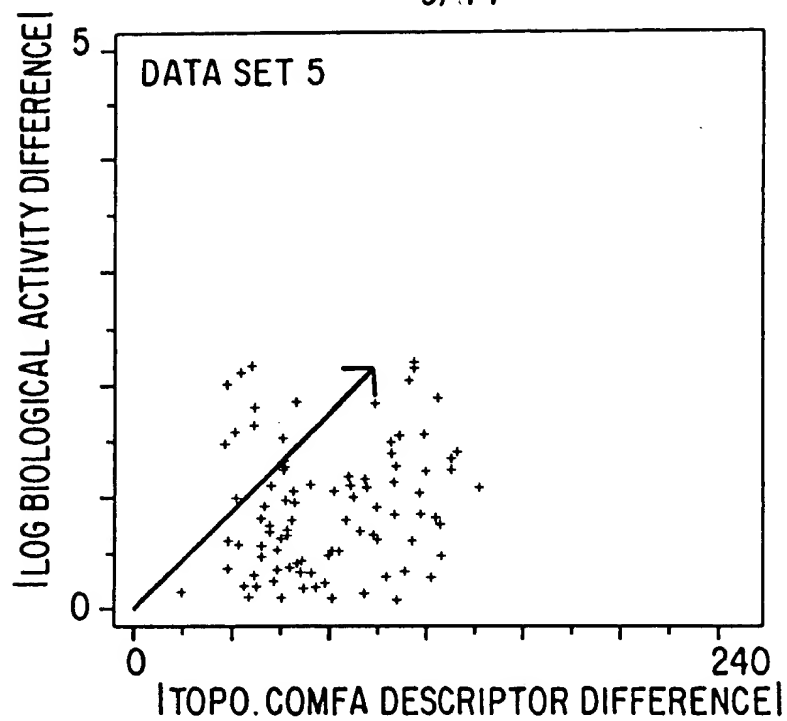


FIG.7(e)

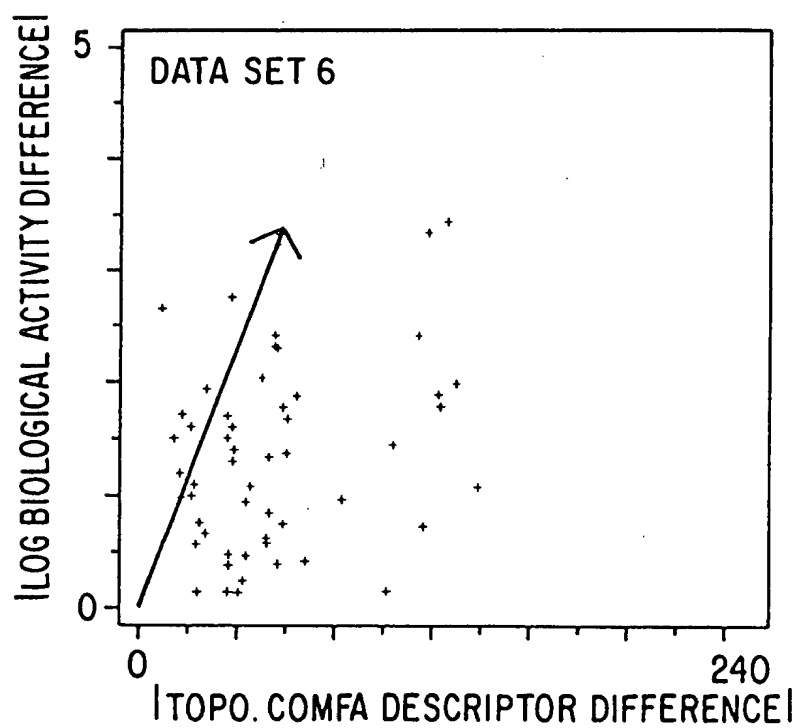
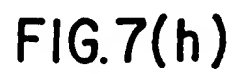
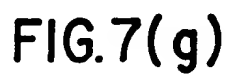


FIG.7(f)



11/44

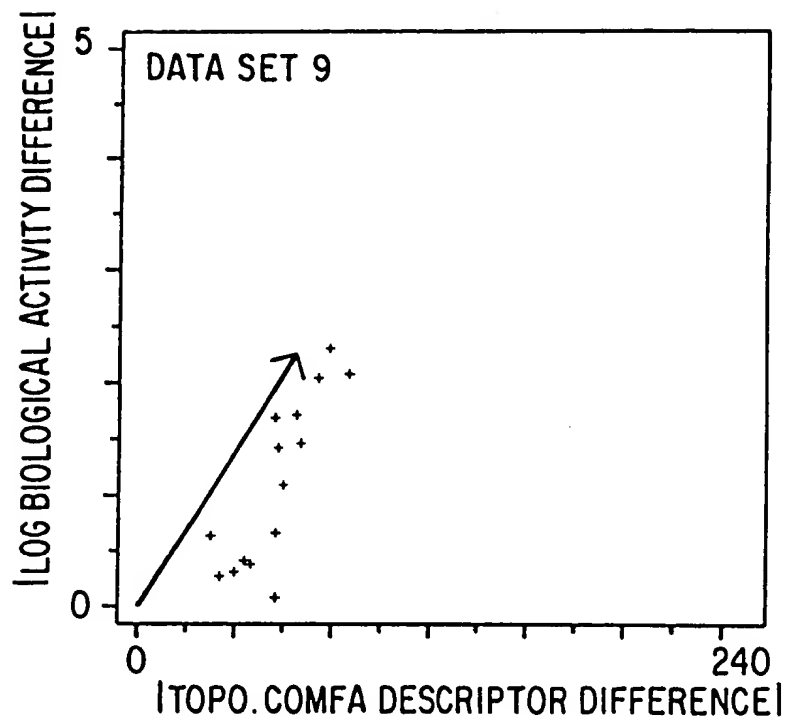


FIG.7(i)

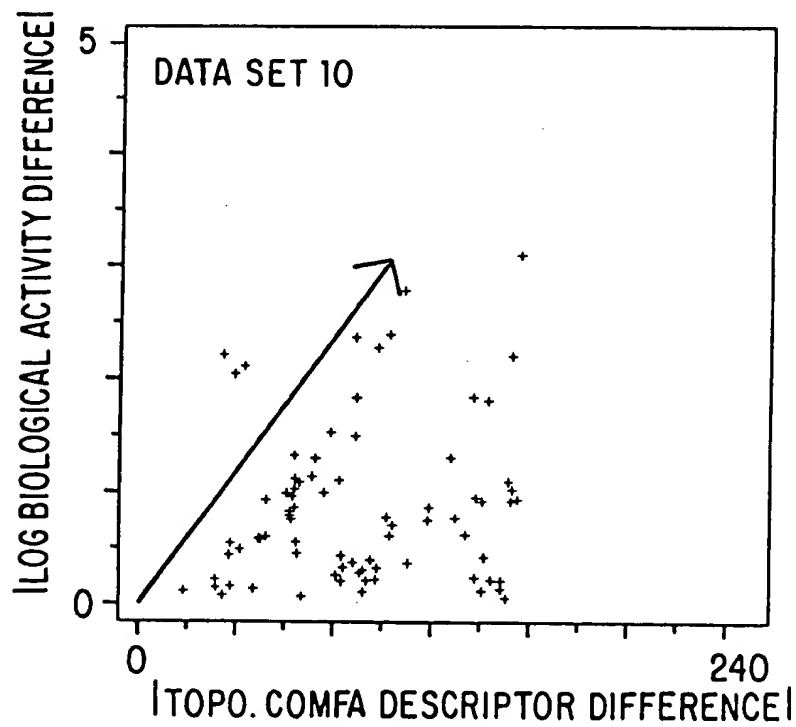


FIG.7(j)

096643 0560  
T05250" E4599860

12/44

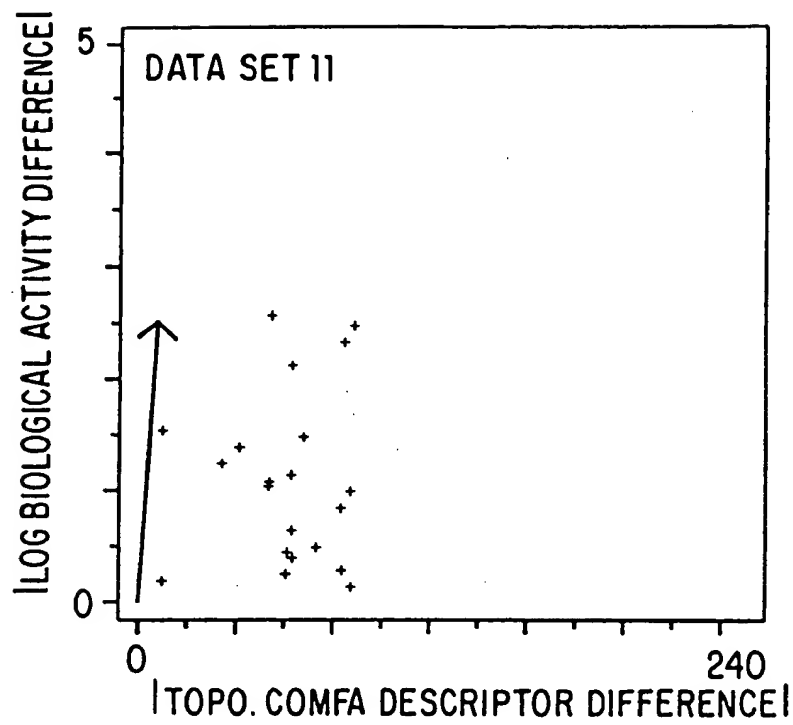


FIG.7(k)

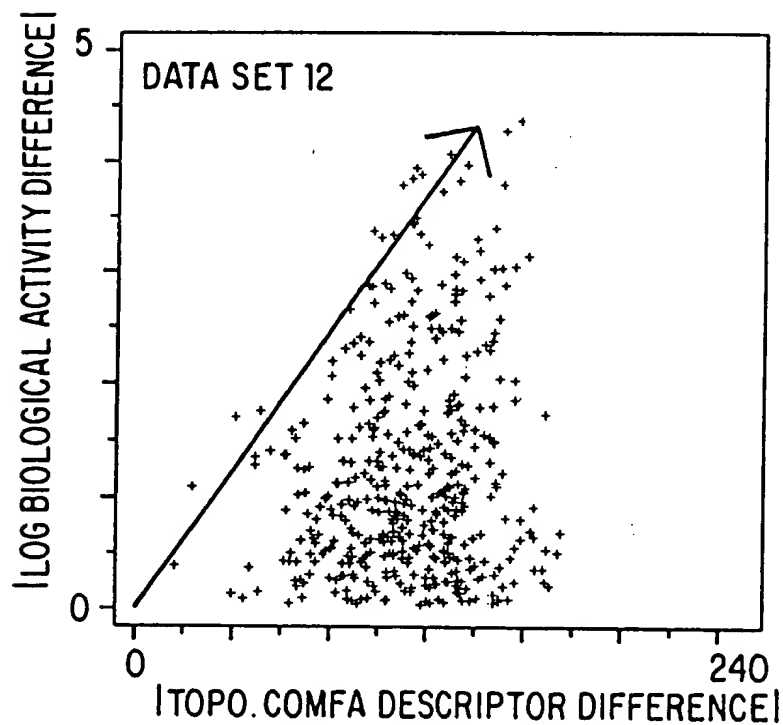


FIG.7(l)

TOPSO" CHS99860

13/44

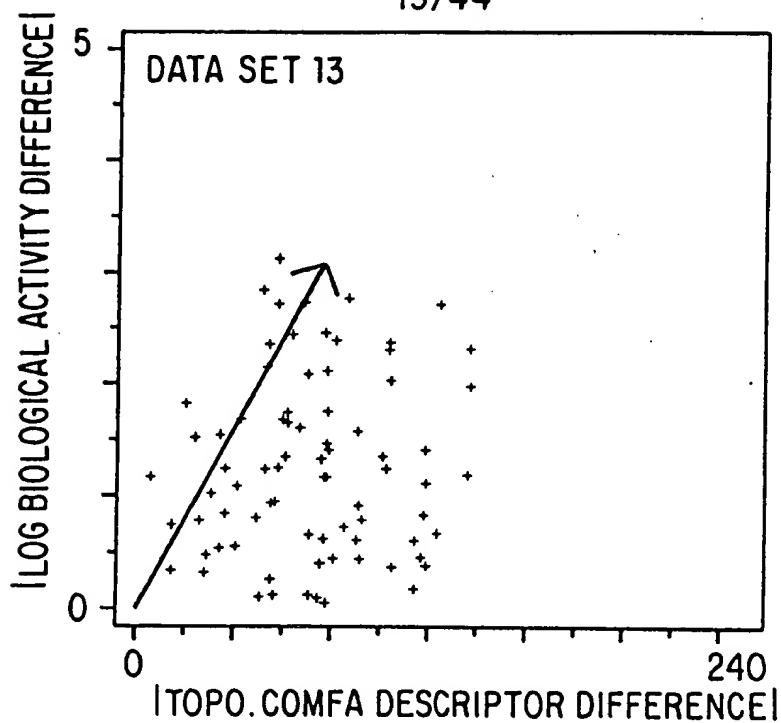


FIG.7(m)

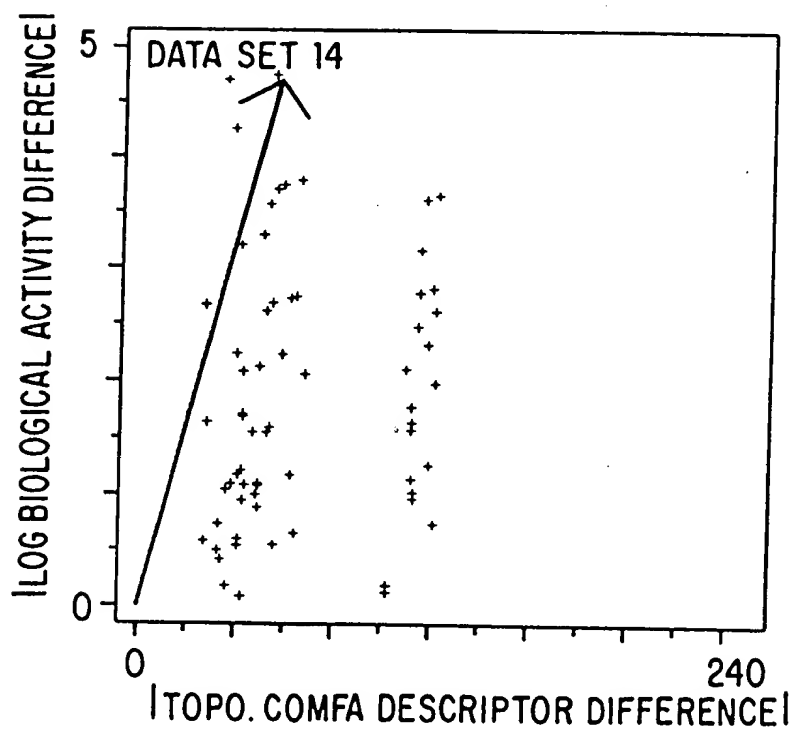


FIG.7(n)

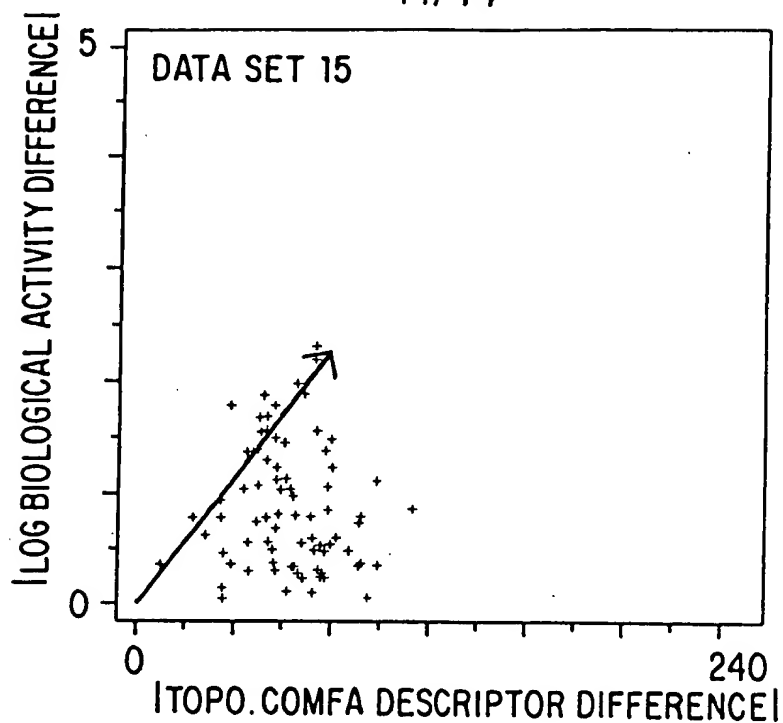


FIG.7(o)

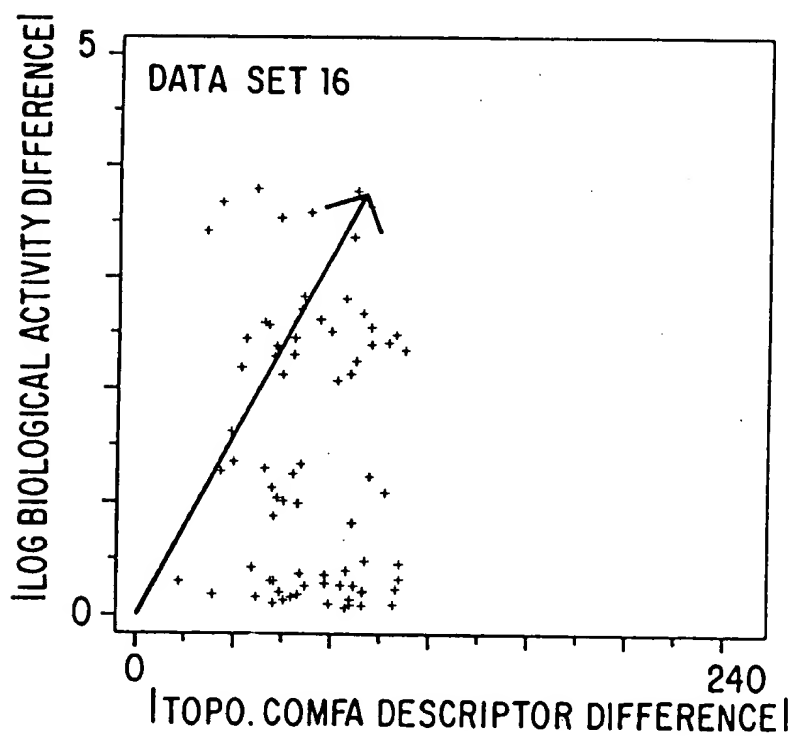


FIG.7(p)

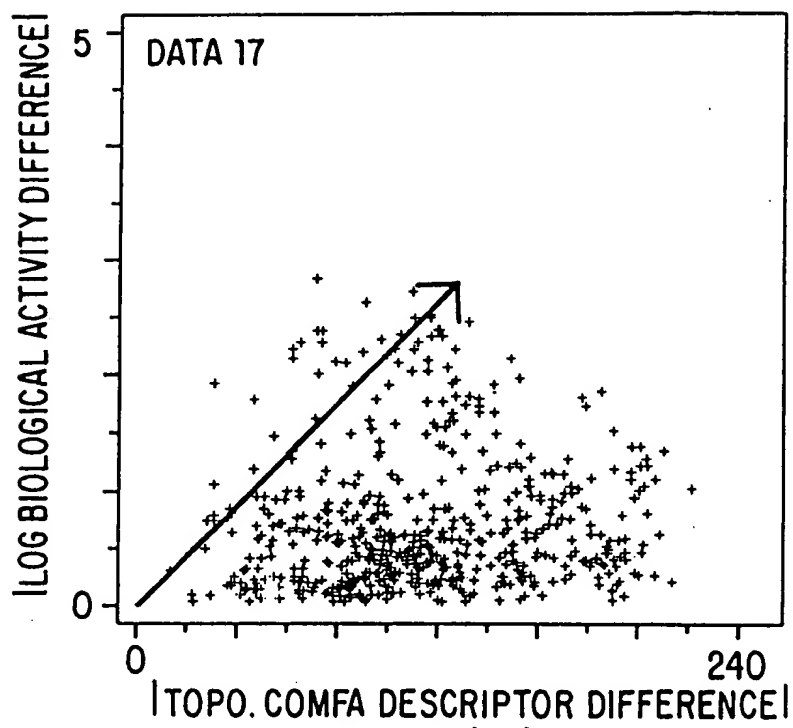


FIG.7(q)

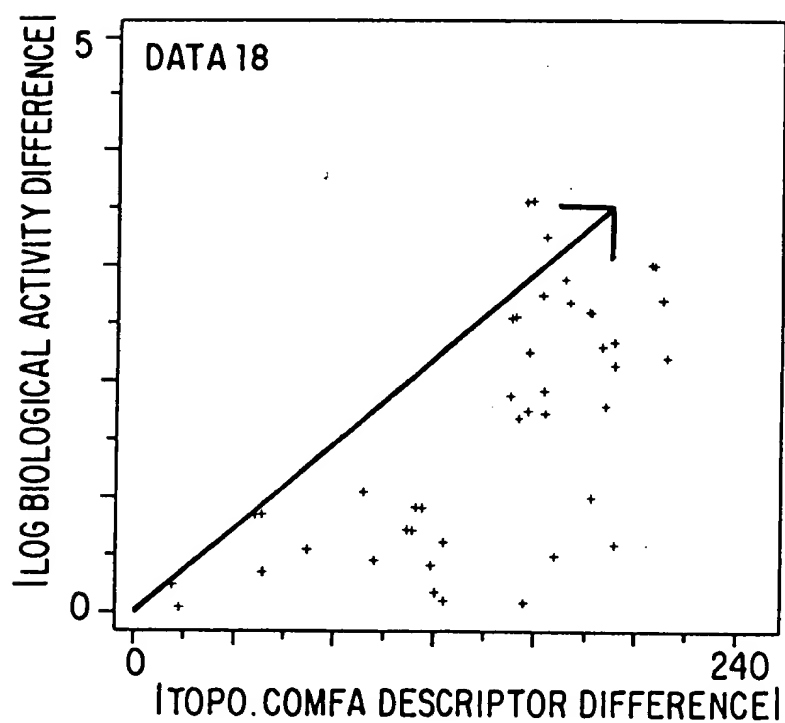


FIG.7(r)

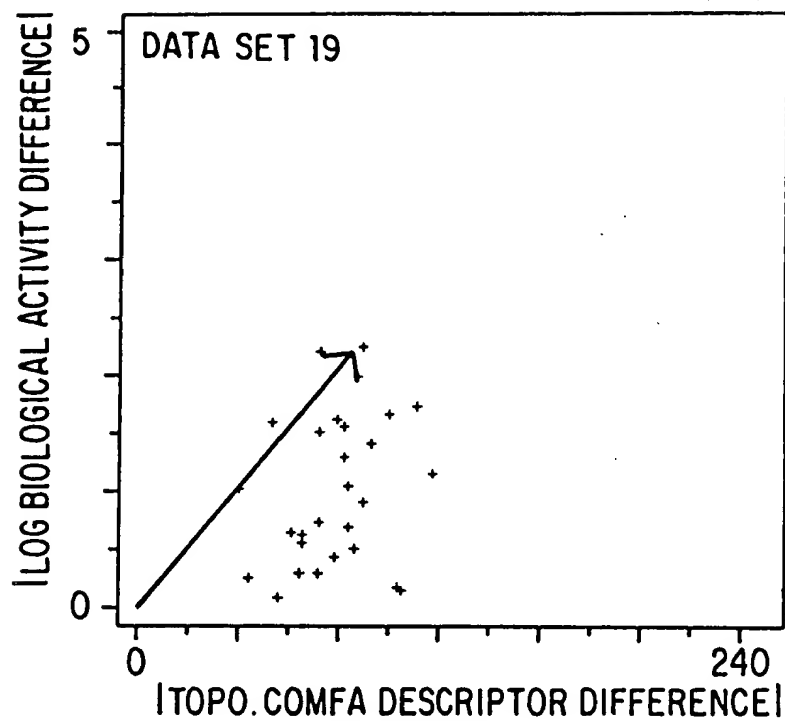


FIG. 7(s)

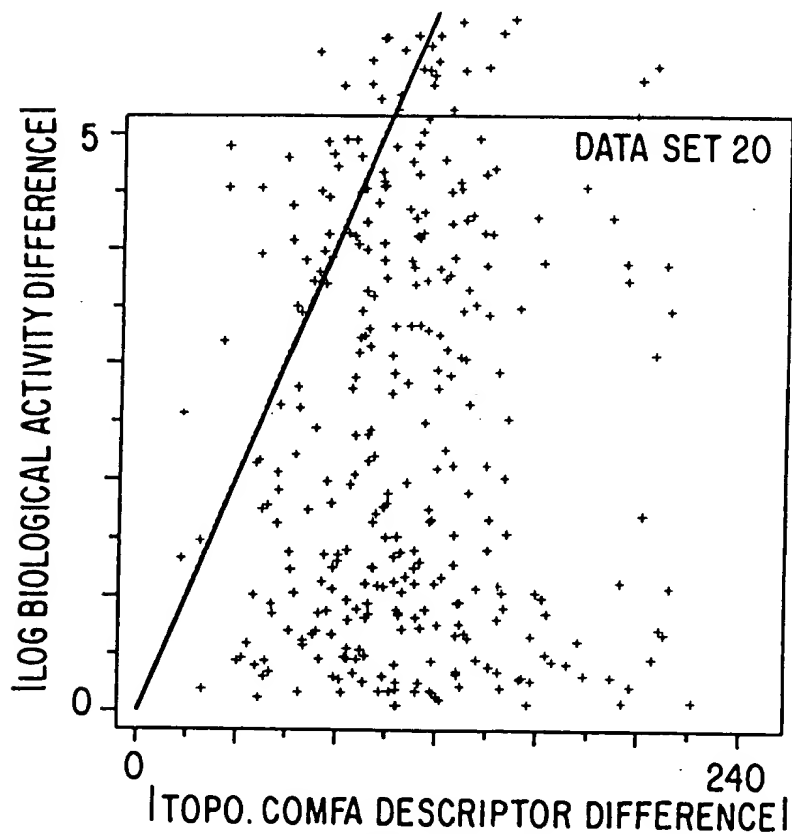
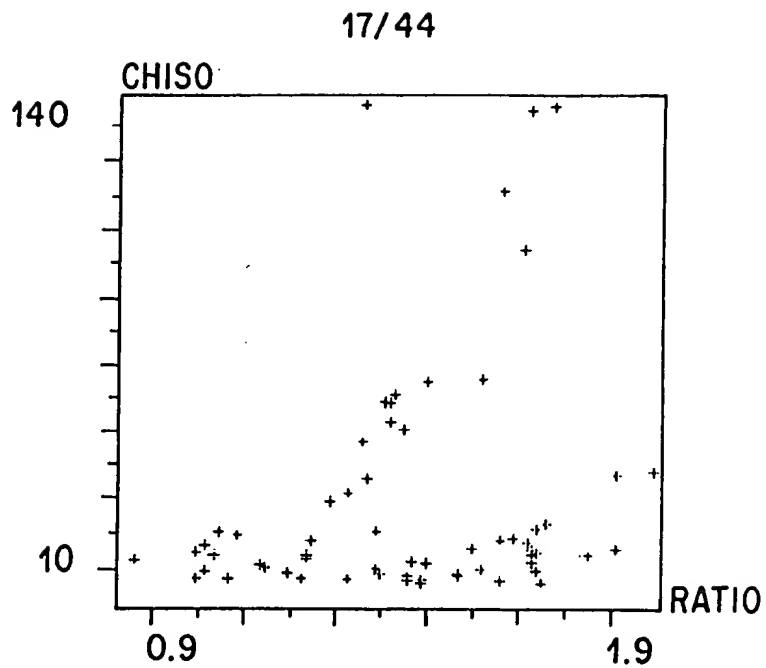


FIG. 7(t)

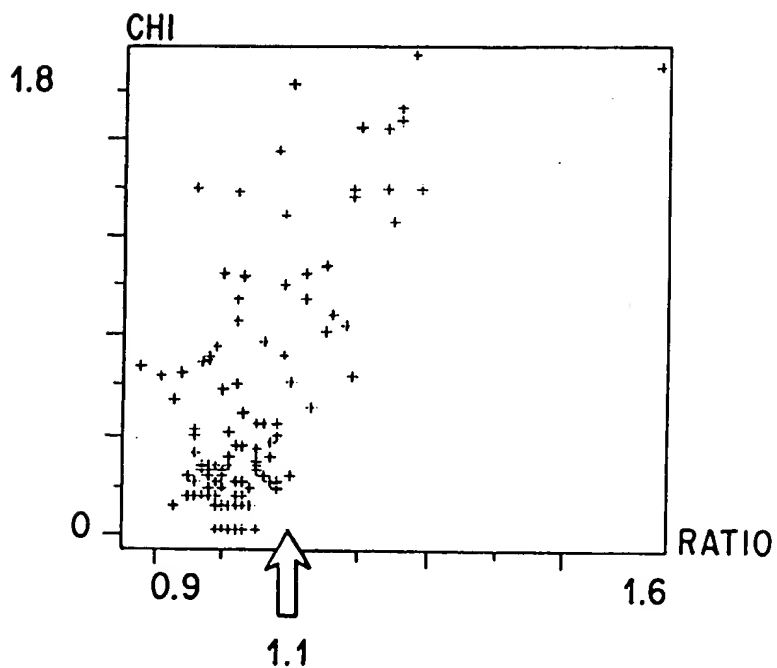


09066543-052504  
105250-24599860



1.1

FIG. 8(a)



1.1

FIG. 8(b)

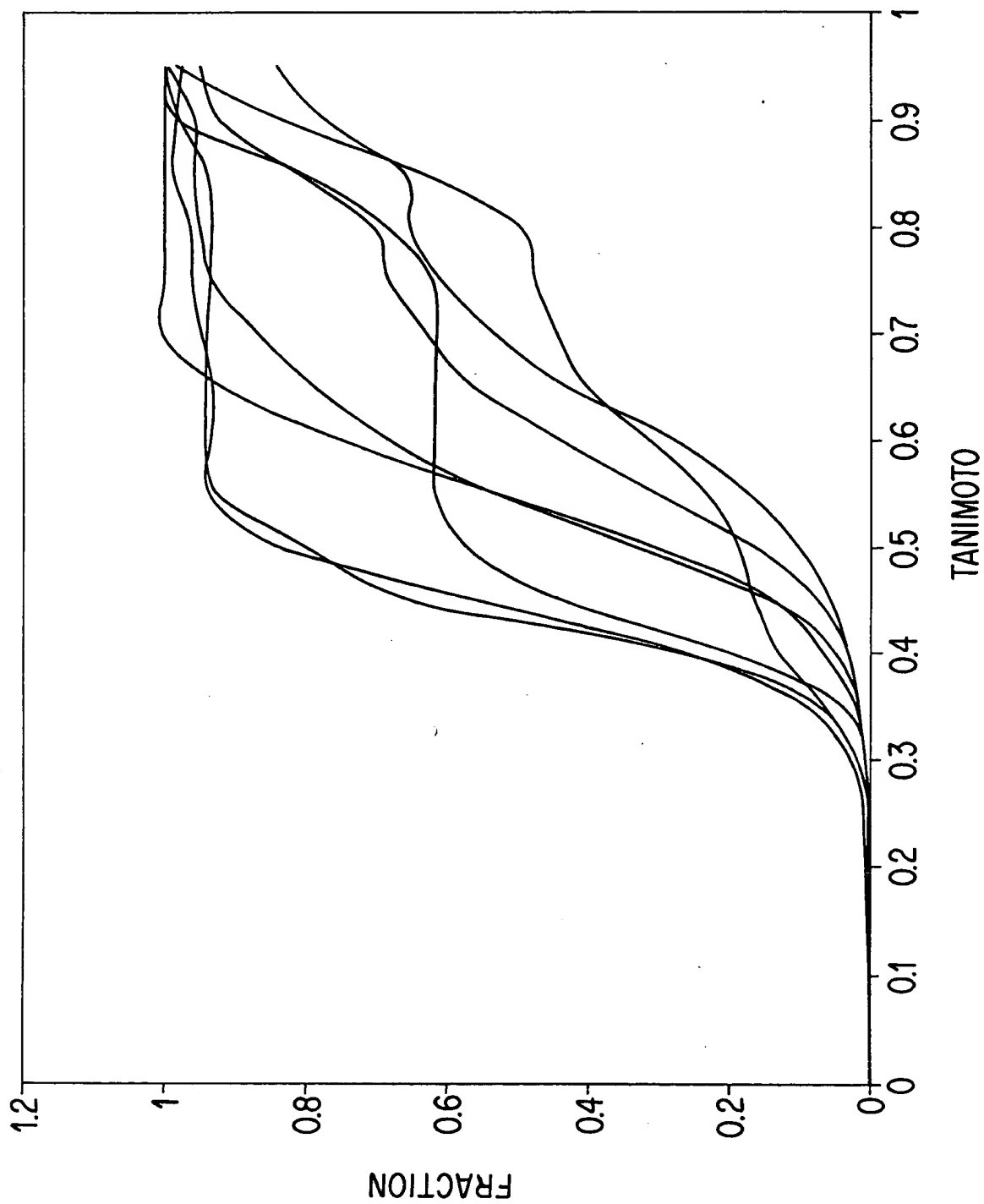


FIG. 9(a)

19/44

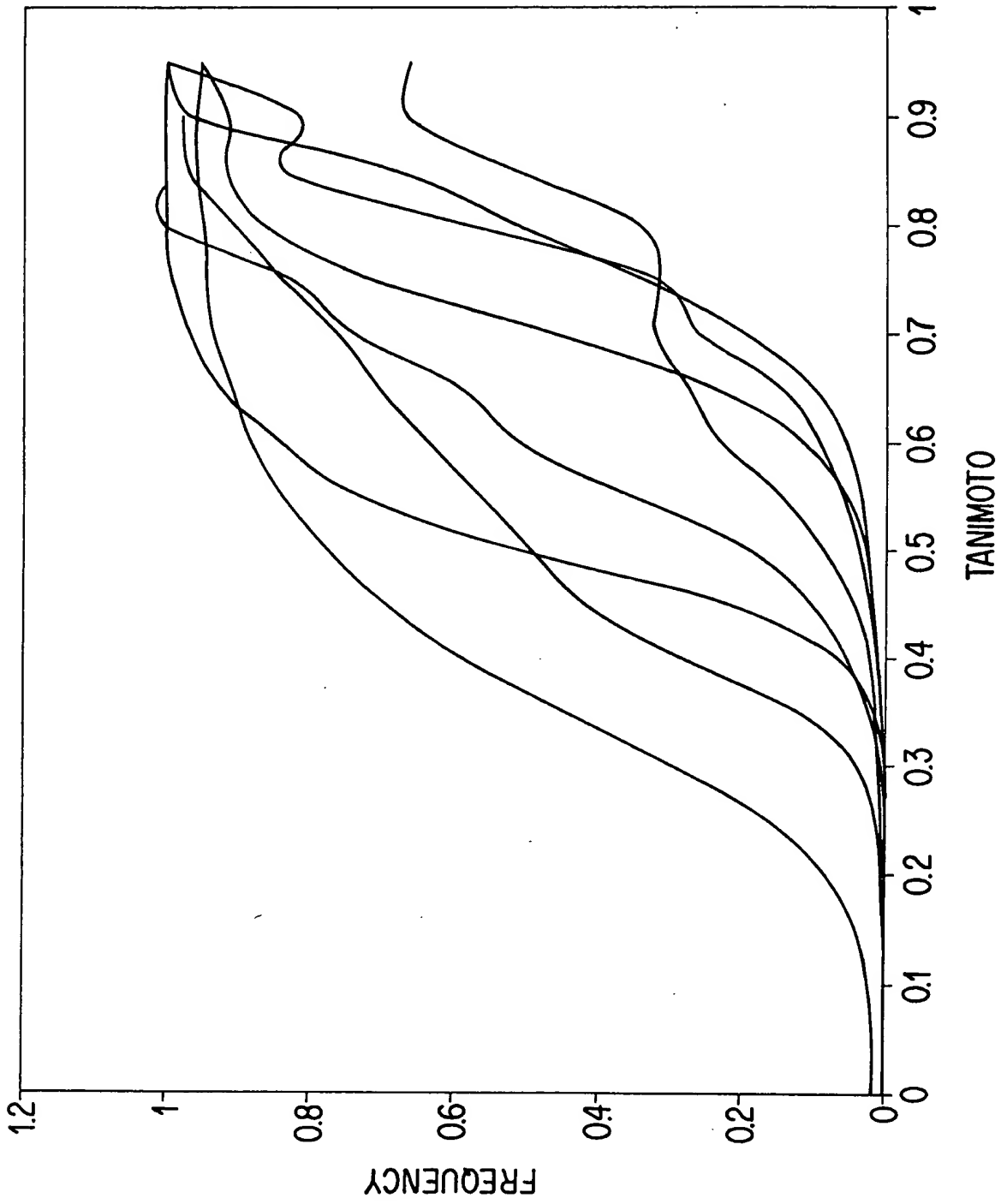
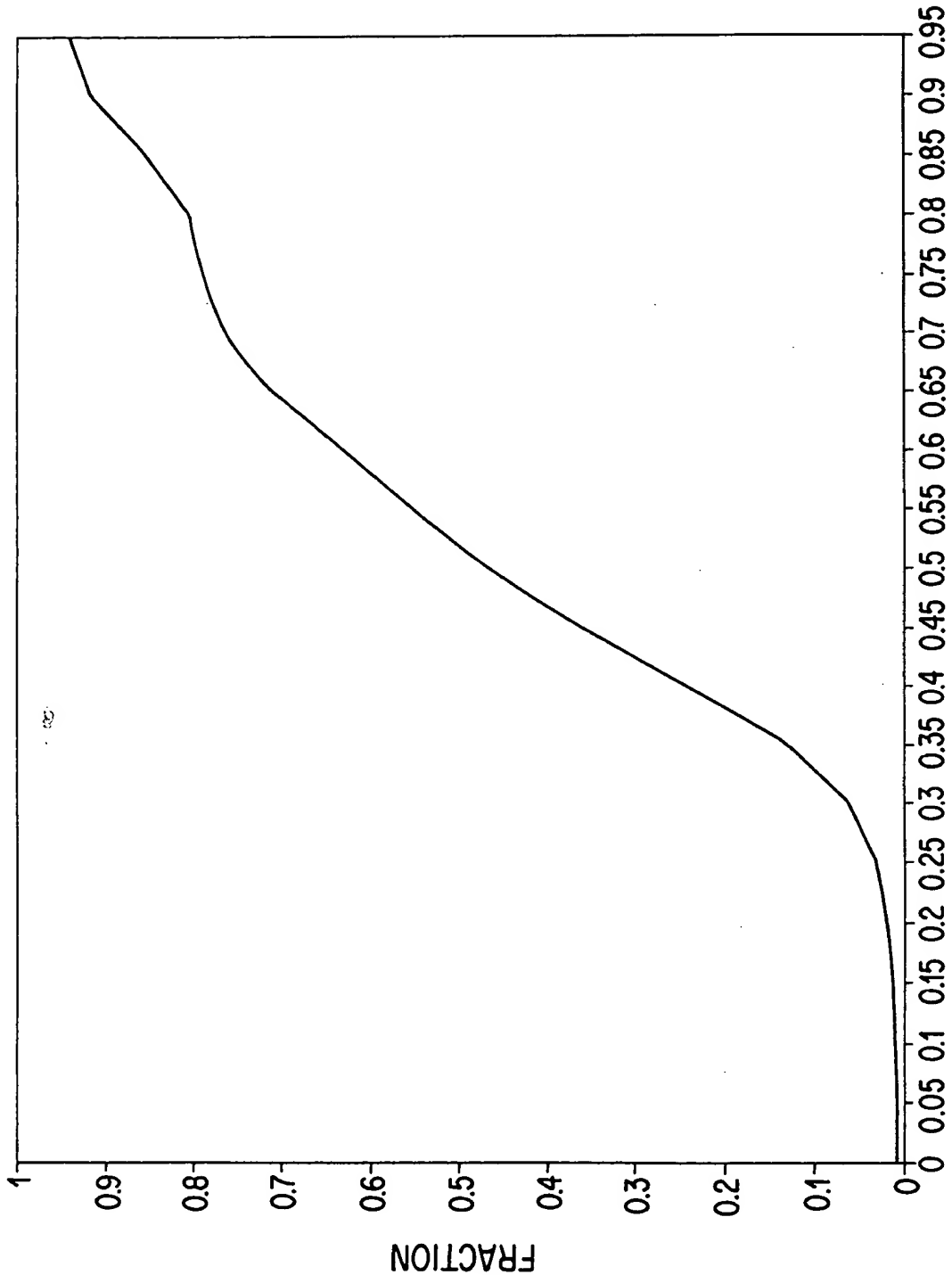


FIG. 9(b)



TANIMOTO

FIG. 9(c)

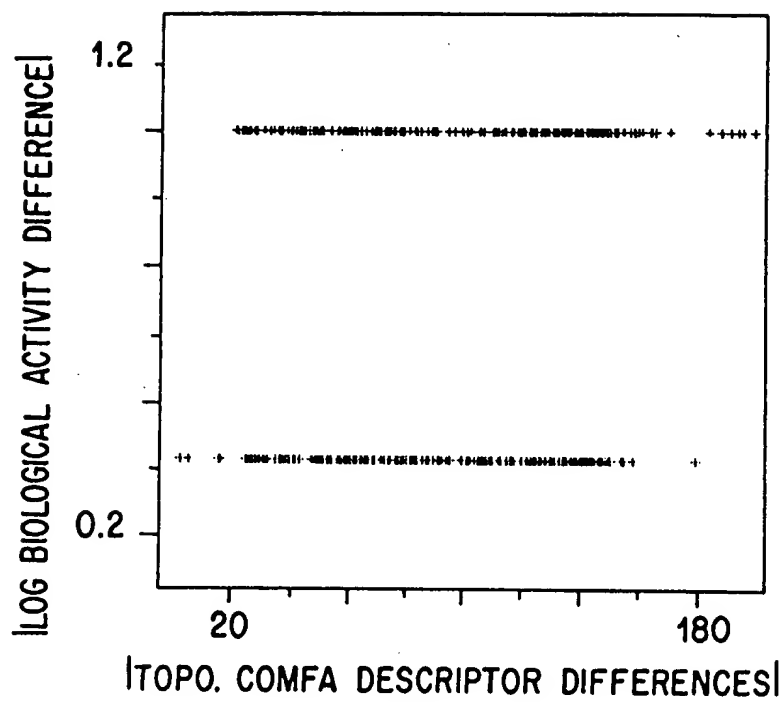


FIG.10(a)

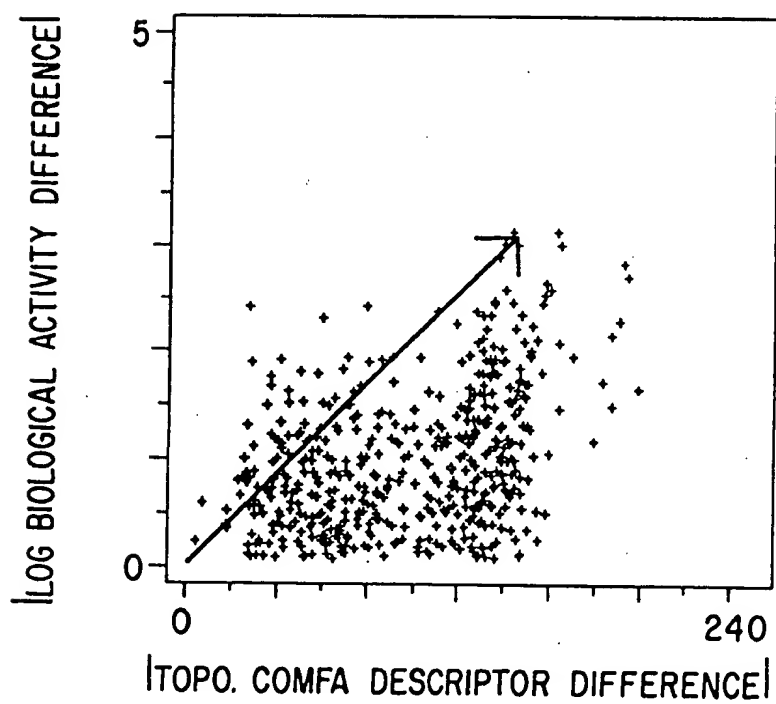


FIG.10(b)

FUNCTION

22/44

SOFTWARE

8.

SELECT CHEMISTRY

LIST REACTANTS & CORES  
DEFINE COMBINATIONS

A

2

1

ANY DATABASE OR WORD  
PROCESSING PROGRAM

3

8.A

REMOVE REACTANTS:

NON-DIVERSITY REASONS



8A(i) GENERAL CRITERIA

METALS  
TAUTOMERS/SALTS & COUNTER IONS  
INTERFERING GROUPS  
SYNTHESIS & EXTRACTION  
PRICE/AVAILABILITY



B

ANY WORD PROCESSING  
PROGRAM OR MOLECULAR  
SPREAD SHEET (MSS)

SYBYL: SPL SCRIPTS ON  
MSS INVOKING-UNITY  
SEARCHES FOR  
FRAGMENTS  
CALCULATIONS OF MW  
& CLOGP

8.(A)ii BIOLOGICAL CRITERIA:

TOXIC/METABOLICALLY  
HAZARDOUS  
BIOAVAILABILITY  
MOLECULAR WEIGHT  
CLOGP  
NON-BIOLOGICALLY RELEVANT  
GROUPS  
SUGARS/MULTIPLE  
FUNCTIONALITIES



C

FIG.11(a)

[illegible]

23/44

\_\_\_\_\_



E-

The figure displays a large 10x10 grid composed of 100 smaller 10x10 grids. Each small grid contains a unique pattern of black and white squares. The patterns are organized into a 4x4 block structure. The top-left 3x3 block of small grids (rows 1-3, columns 1-3) contains all 27 patterns. The top-right 3x3 block (rows 1-3, columns 4-6) contains 18 patterns, with the bottom-right cell (row 3, column 6) being empty. The bottom-left 3x3 block (rows 4-6, columns 1-3) contains 18 patterns, with the bottom-right cell (row 6, column 3) being empty. The bottom-right 3x3 block (rows 4-6, columns 4-6) contains 15 patterns, with the bottom-right cell (row 6, column 6) being empty. The patterns within the small grids vary in complexity, from simple horizontal or vertical lines to more intricate, noisy configurations.



5

F-

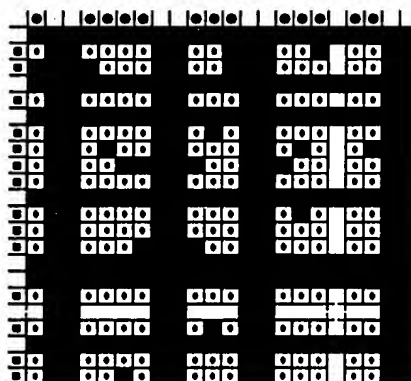
FIG. 11(b)

8D

BIOLOGICAL CRITERIA:  
 METABOLICALLY HAZARDOUS  
 BIOAVAILABILITY  
 MOLECULAR WEIGHT  
 CLOGP

SYBYL: SPL SCRIPTS ON  
 MSS INVOKING -  
 UNITY SEARCHES FOR  
 FRAGMENTS  
 CALCULATIONS OF MW  
 & CLOGP

G



8E

REMOVE NON-DIVERSE  
PRODUCTS:

GENERATE TANIMOTO  
 2D FINGERPRINTS  
 SAMPLE PRODUCTS:  
 EXCLUDE TAN  $\geq 0.85$

UNITY

H

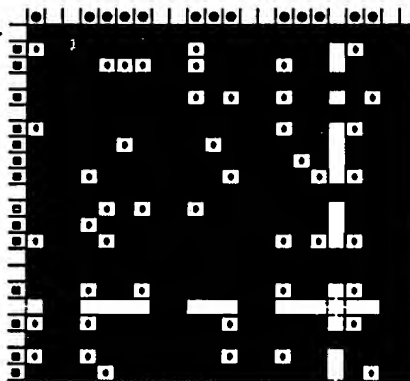
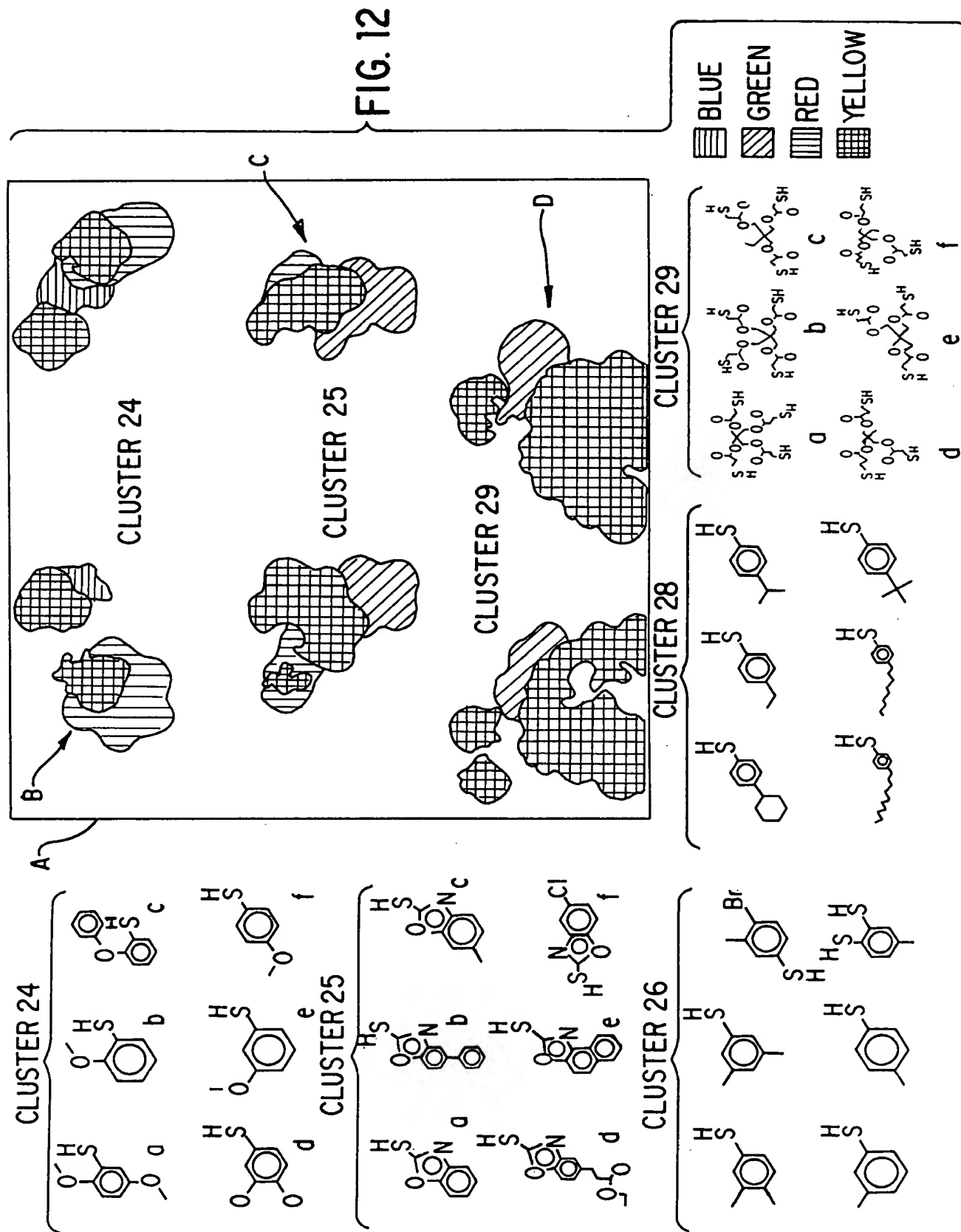


FIG.11(c)





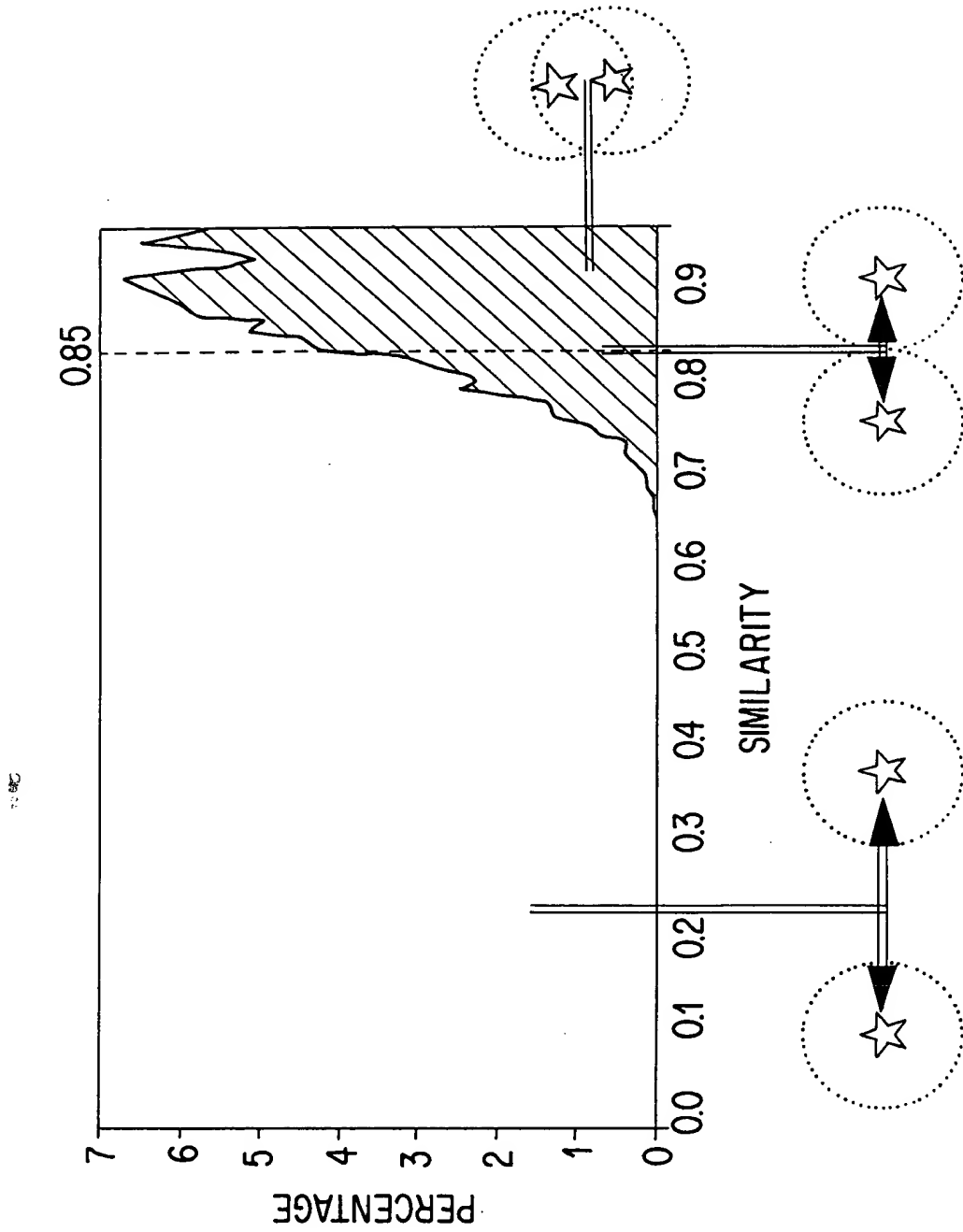


FIG.13

27/44

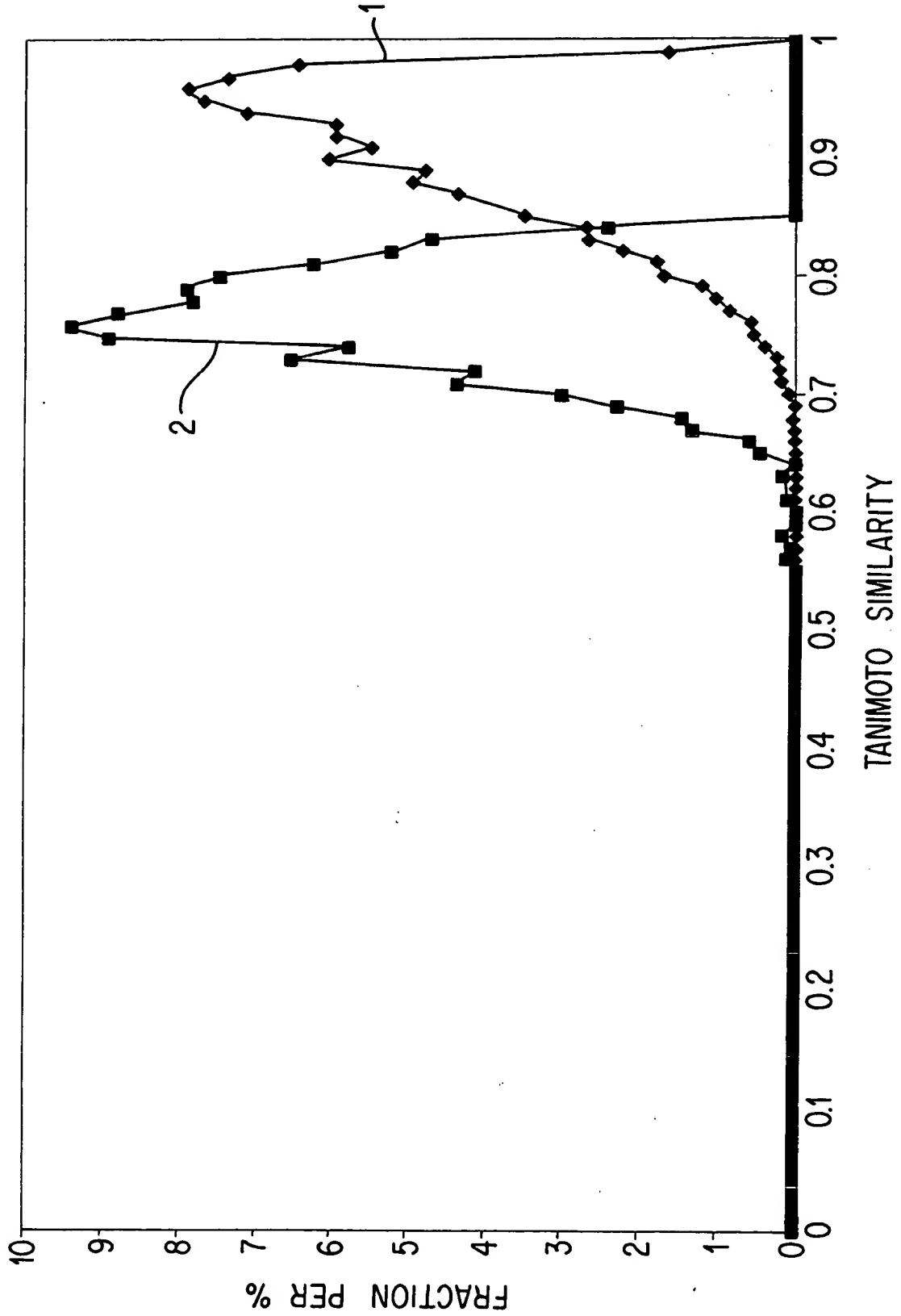


FIG.14

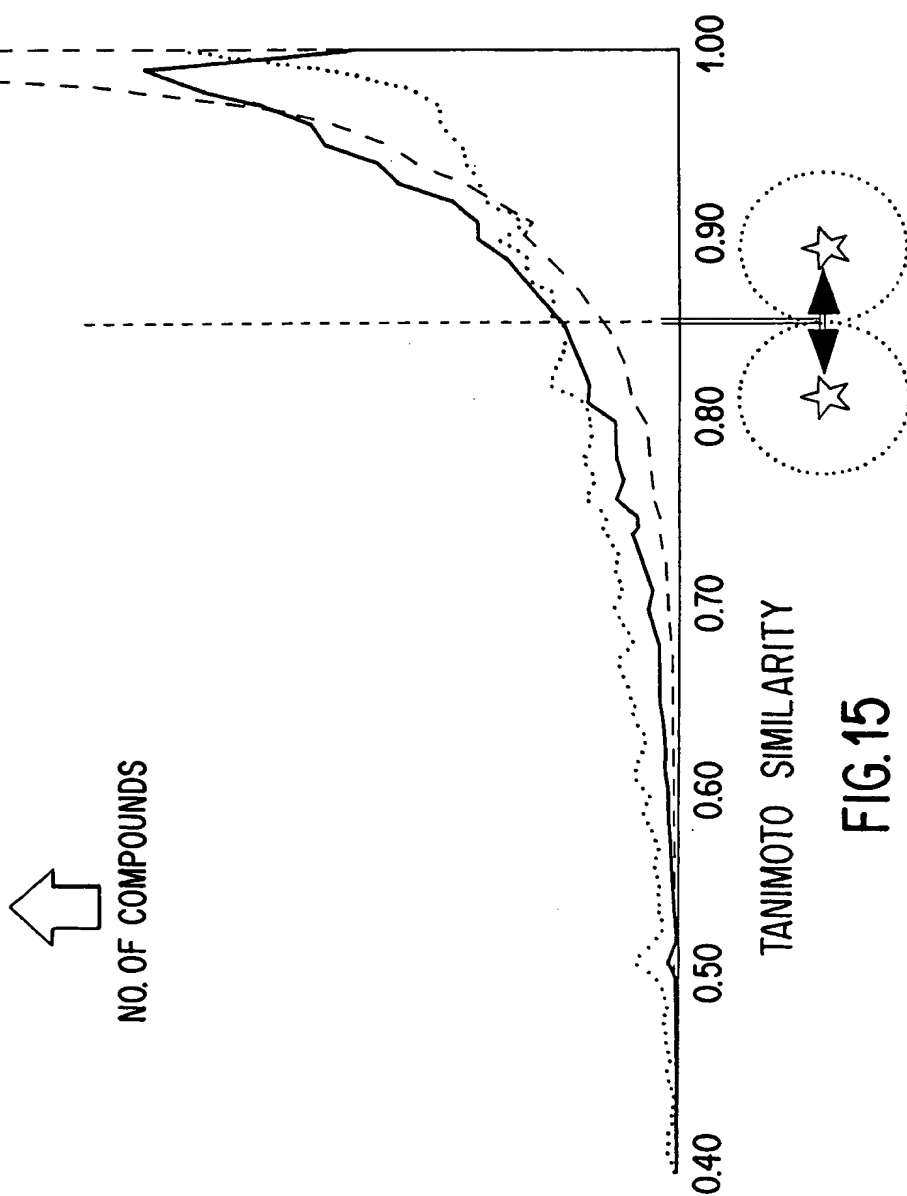


FIG.15

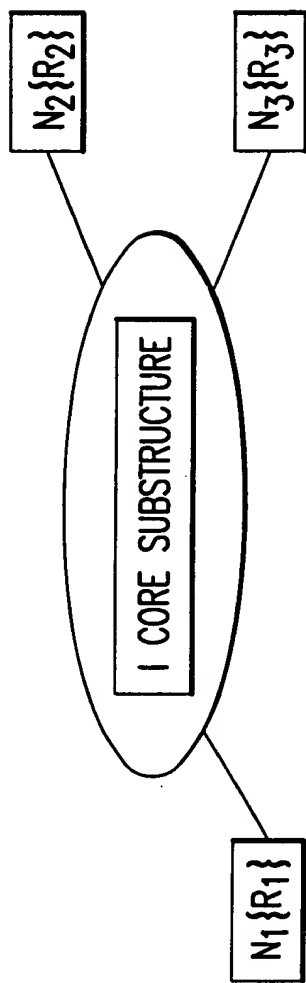


FIG.16

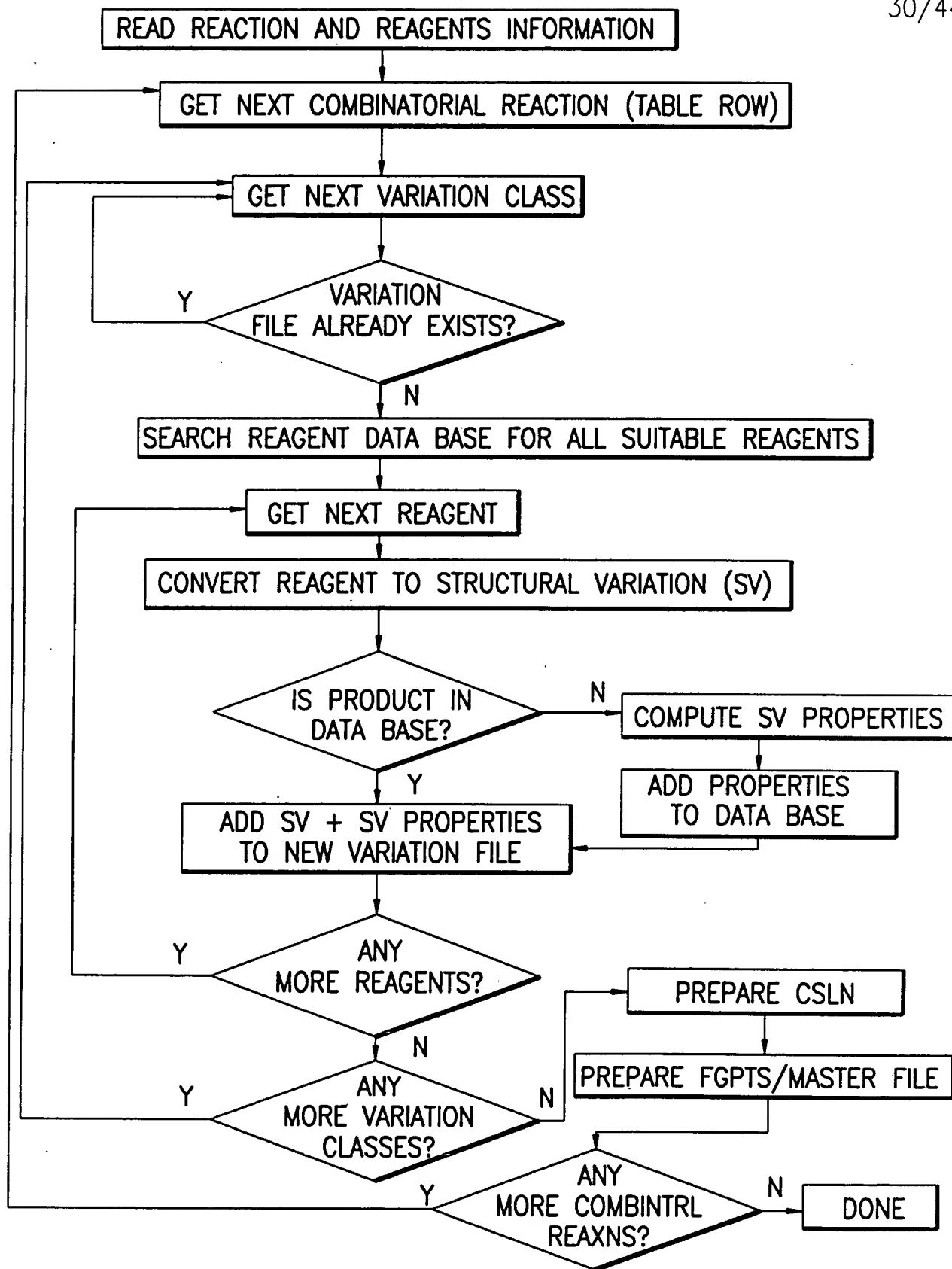


FIG.17

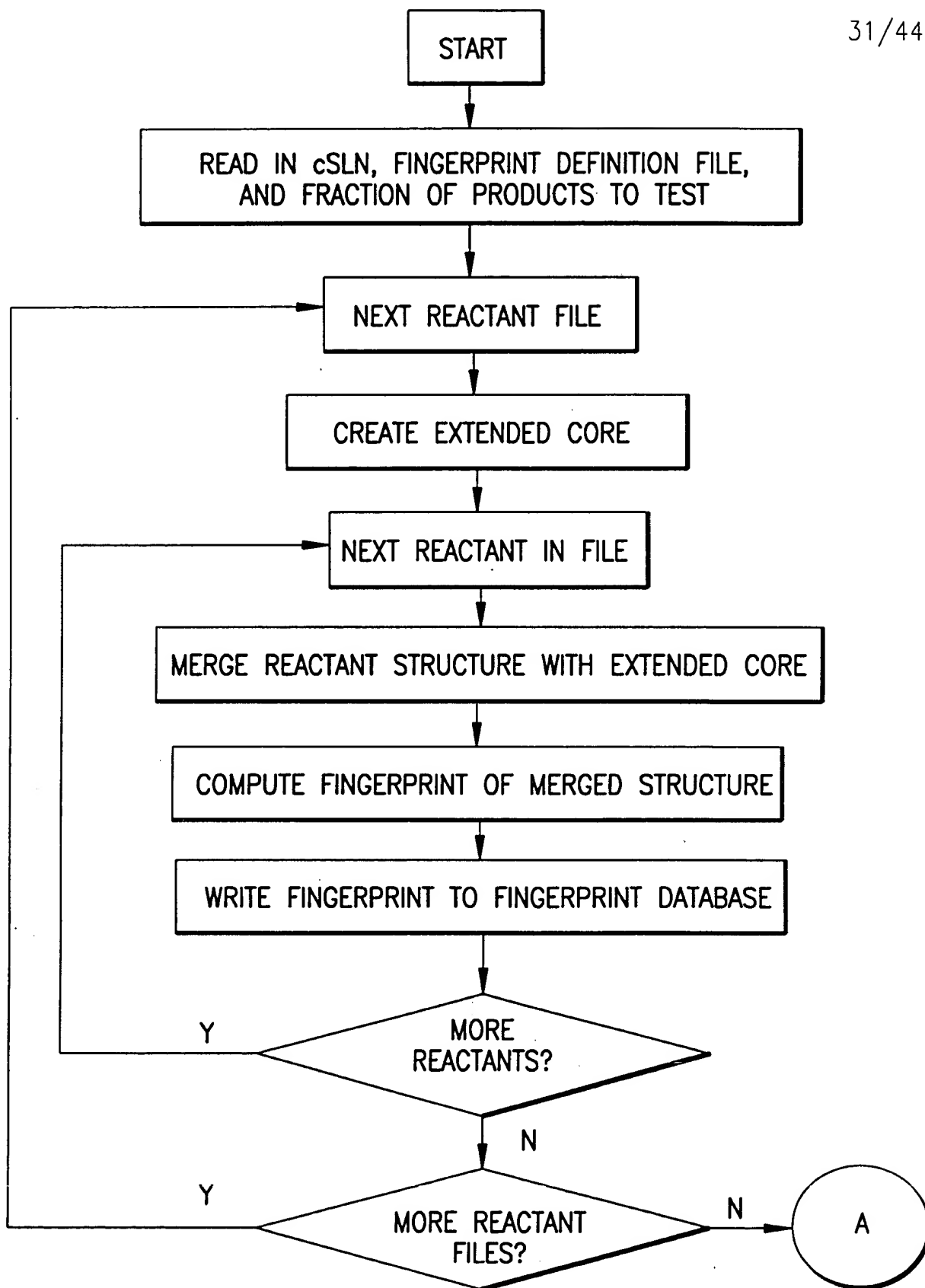


FIG.18

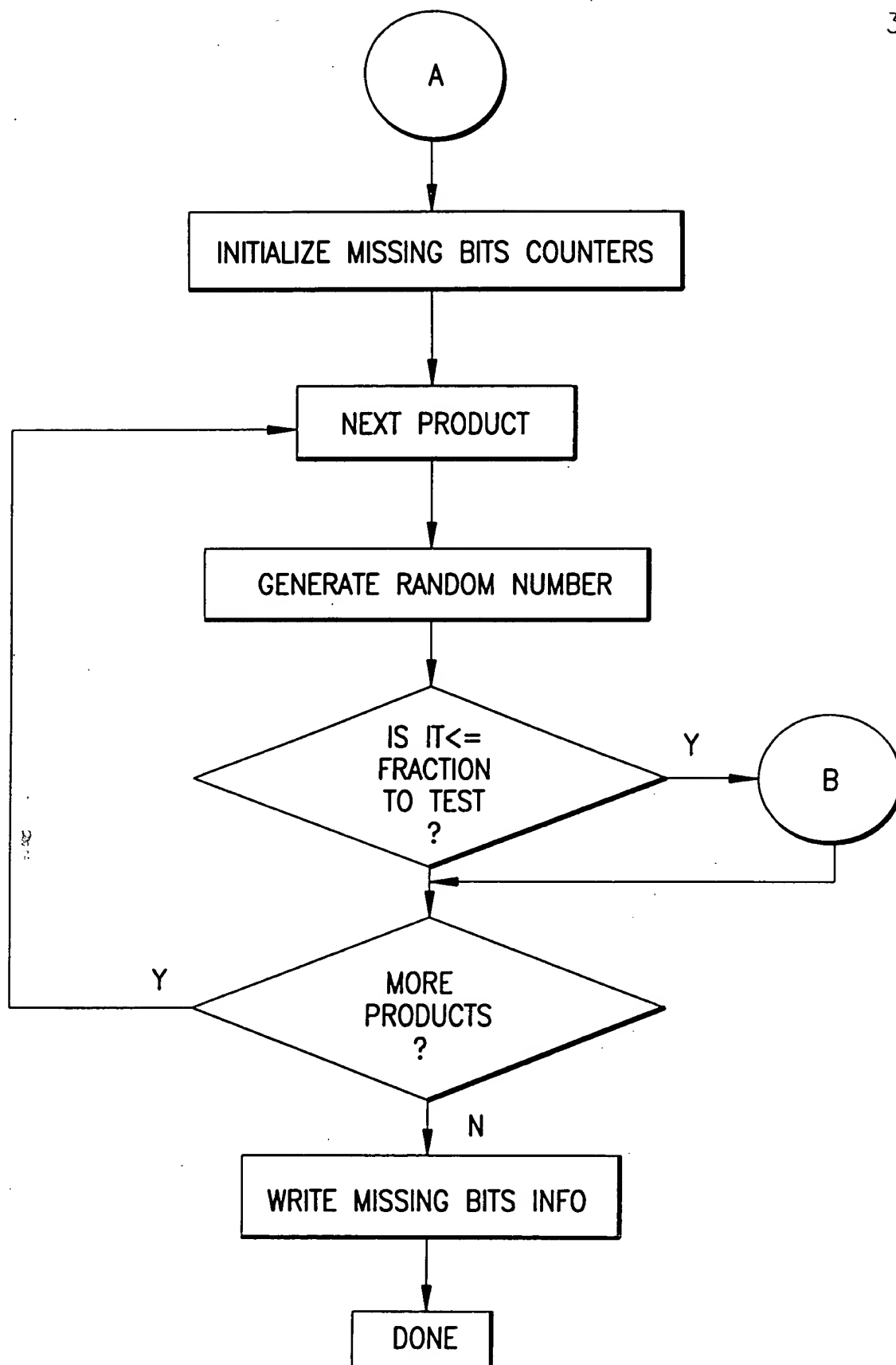


FIG.19

0936543.052504  
T03250.049360



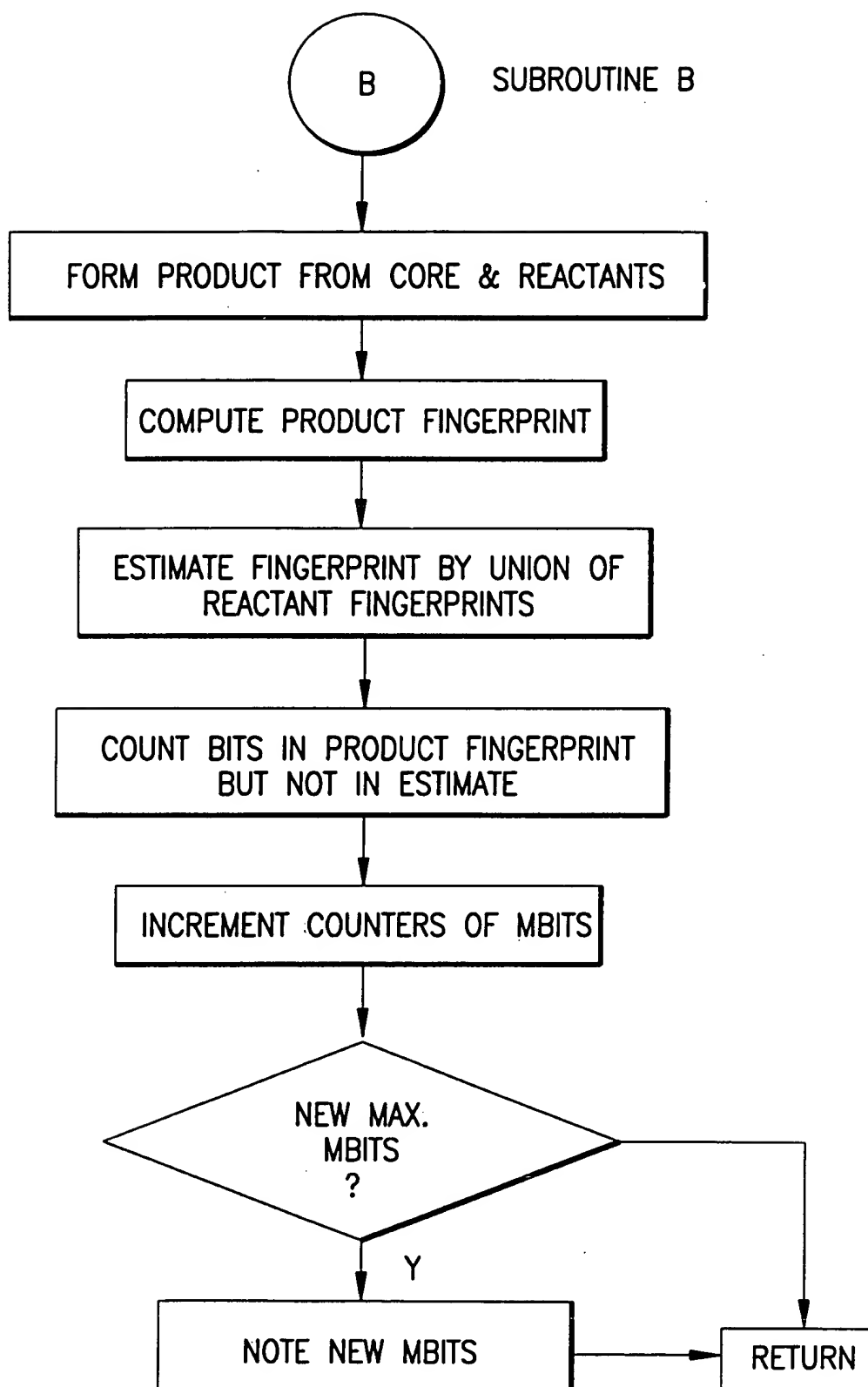


FIG.20

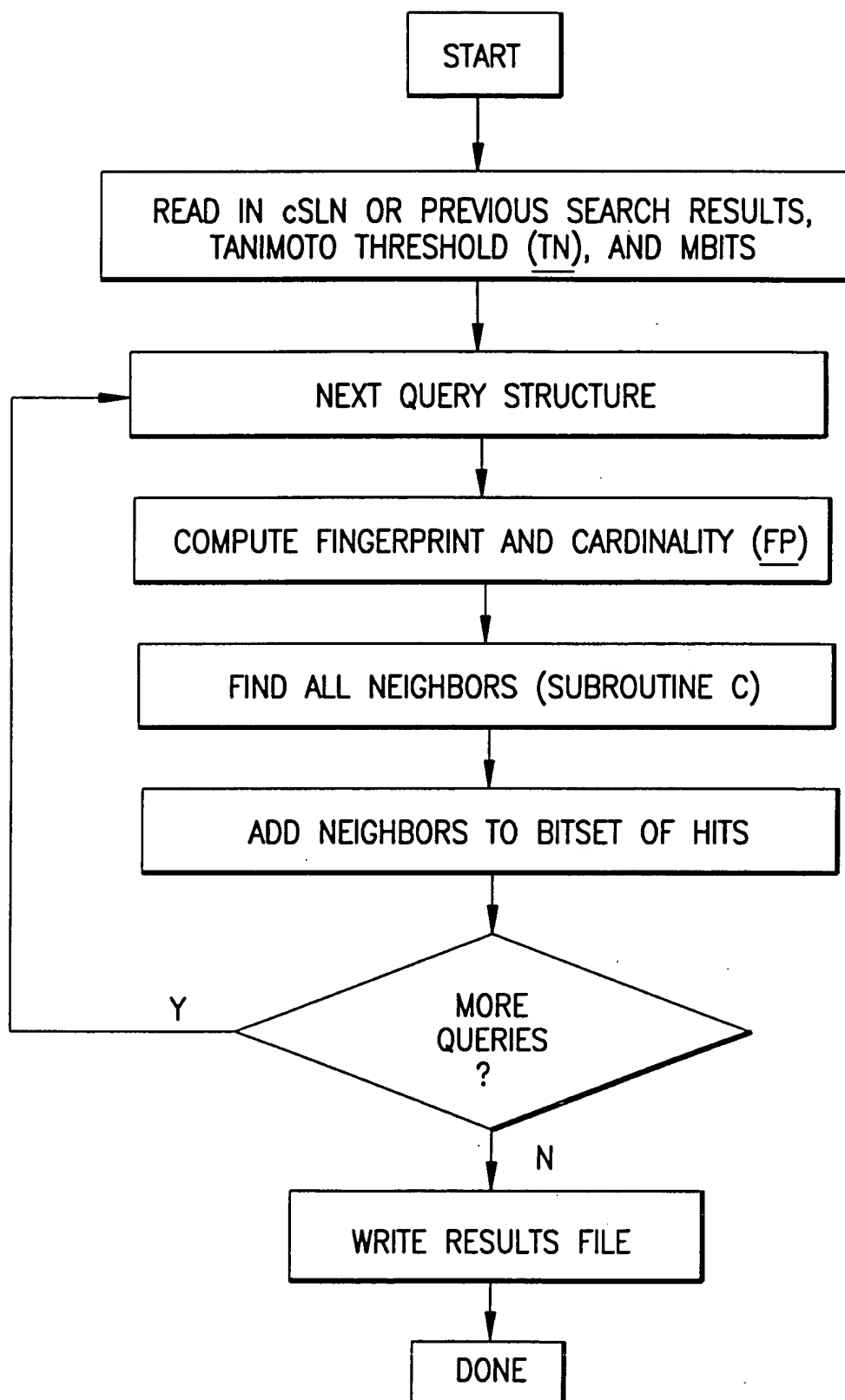
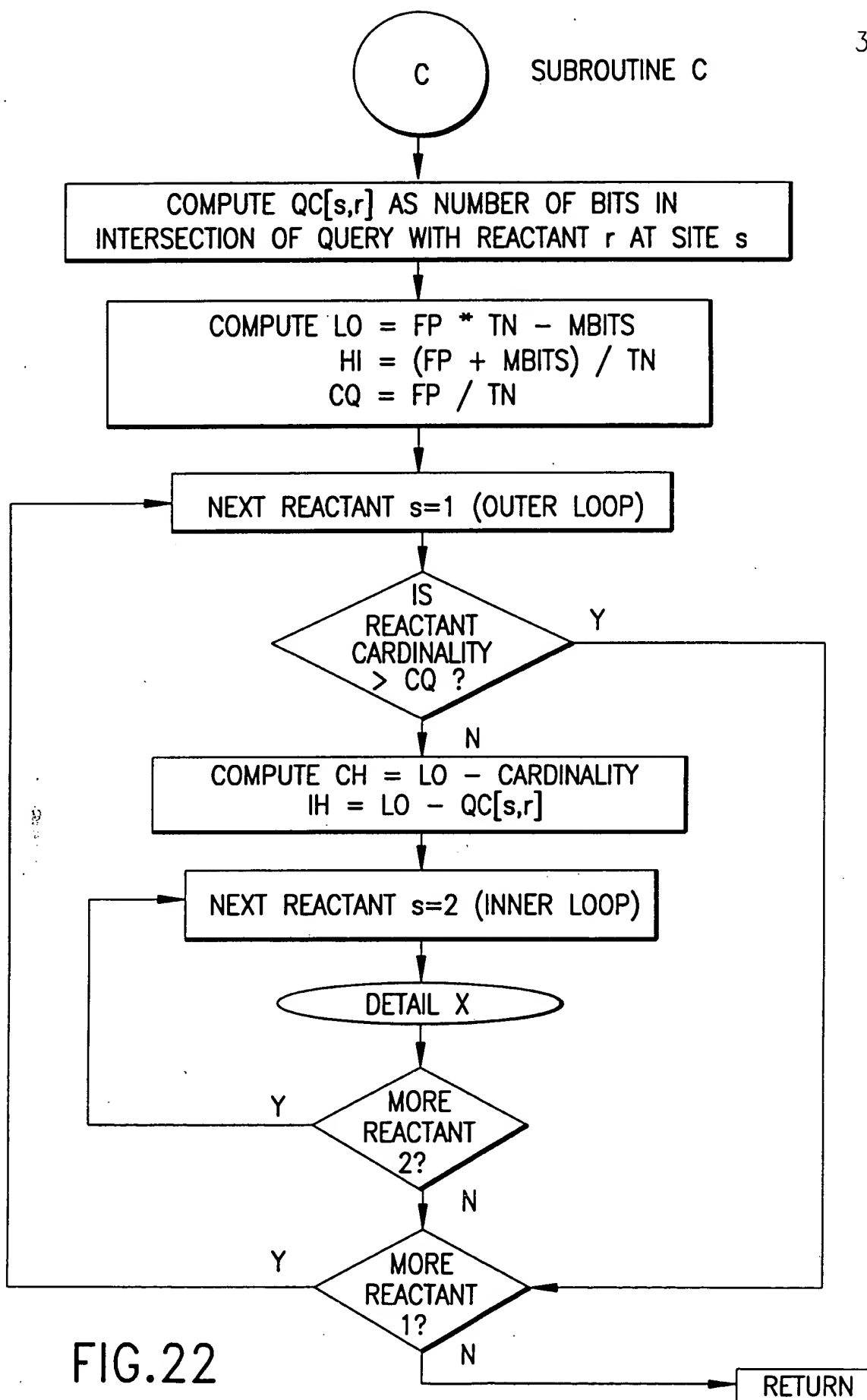


FIG.21


 0906543.052504  
 105250" 2459860

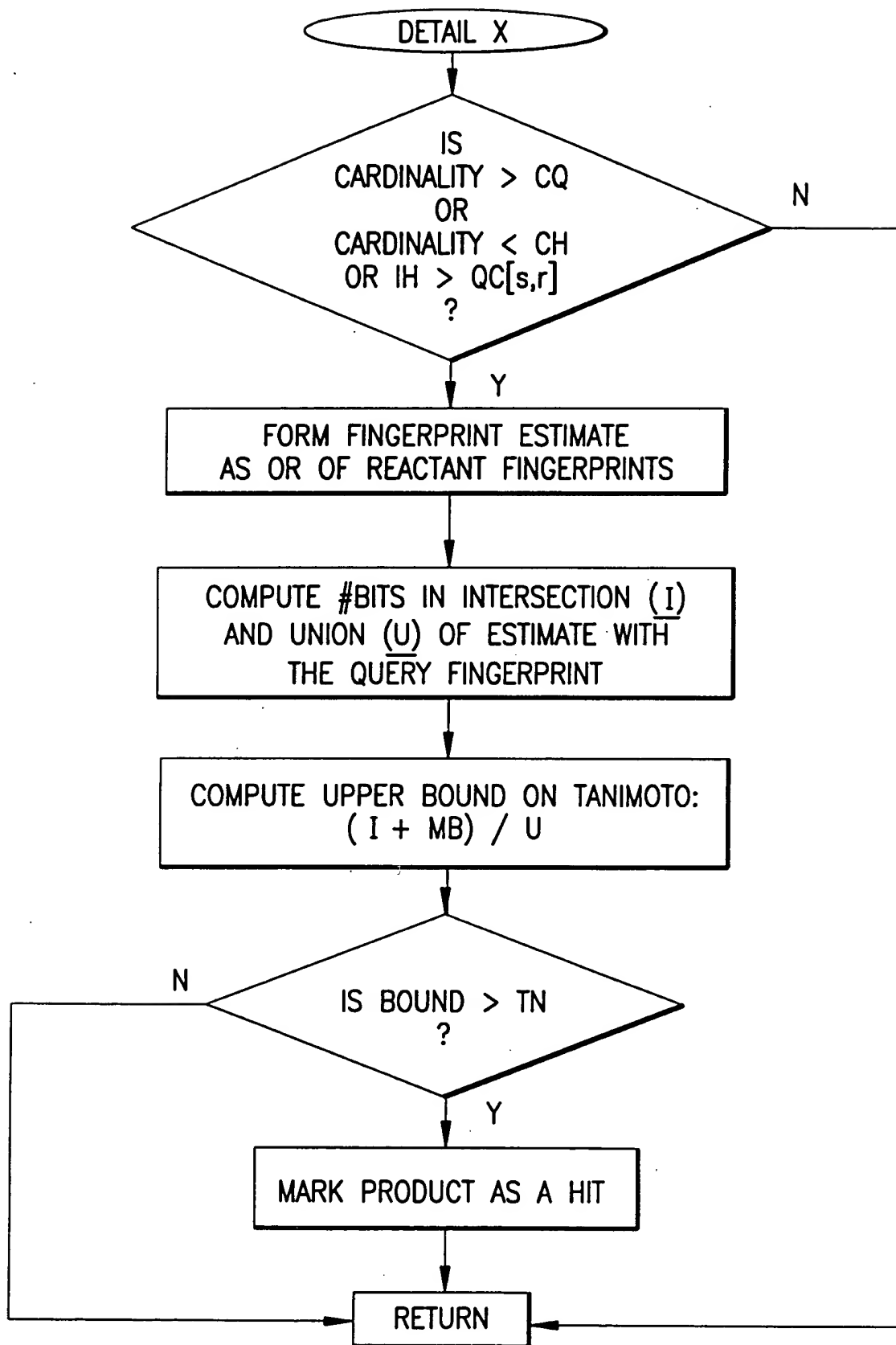


FIG.23

37/44

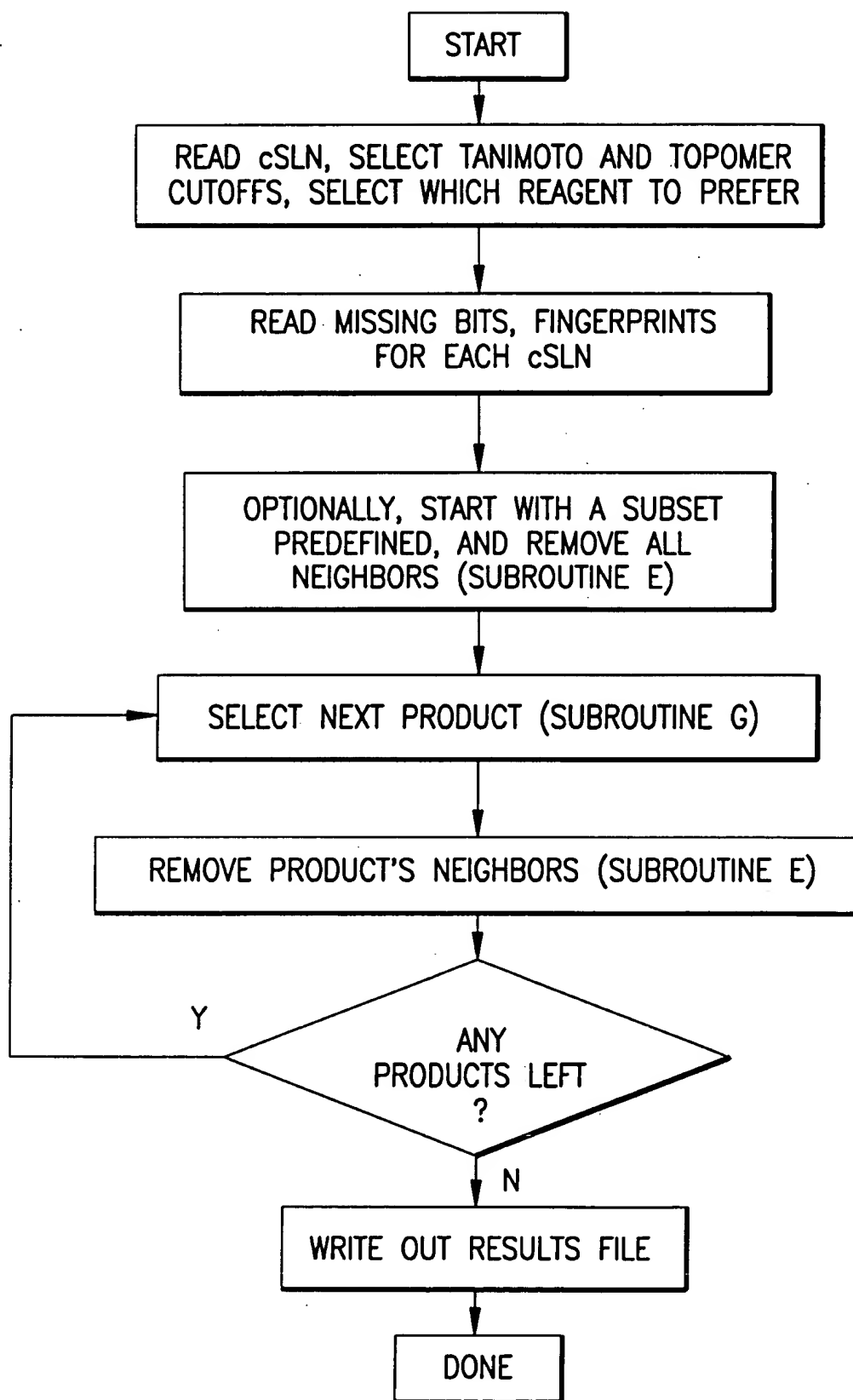


FIG.24

09654-0501  
T0250-CH59260



FIG. 25

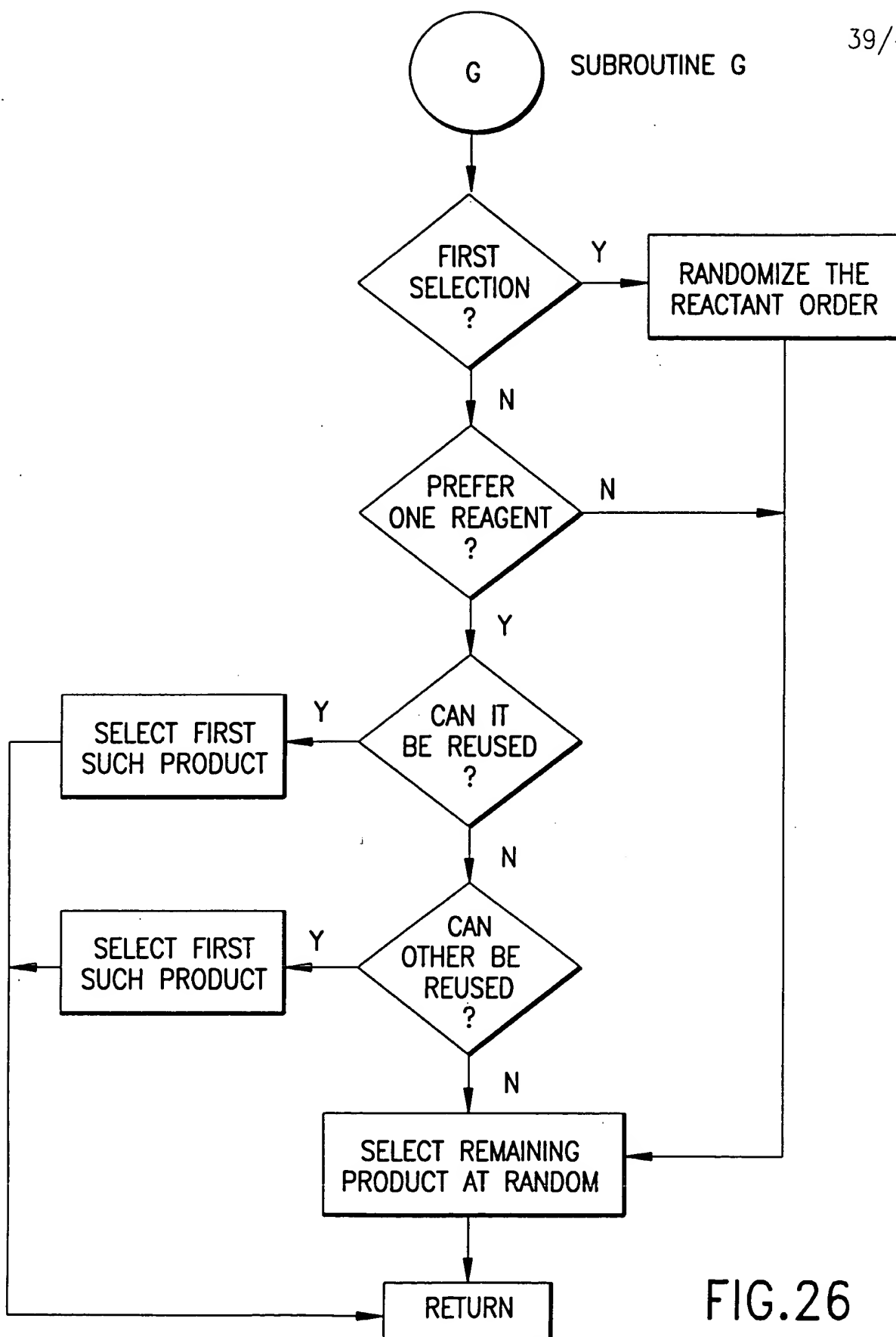


FIG. 26

0966543-052501

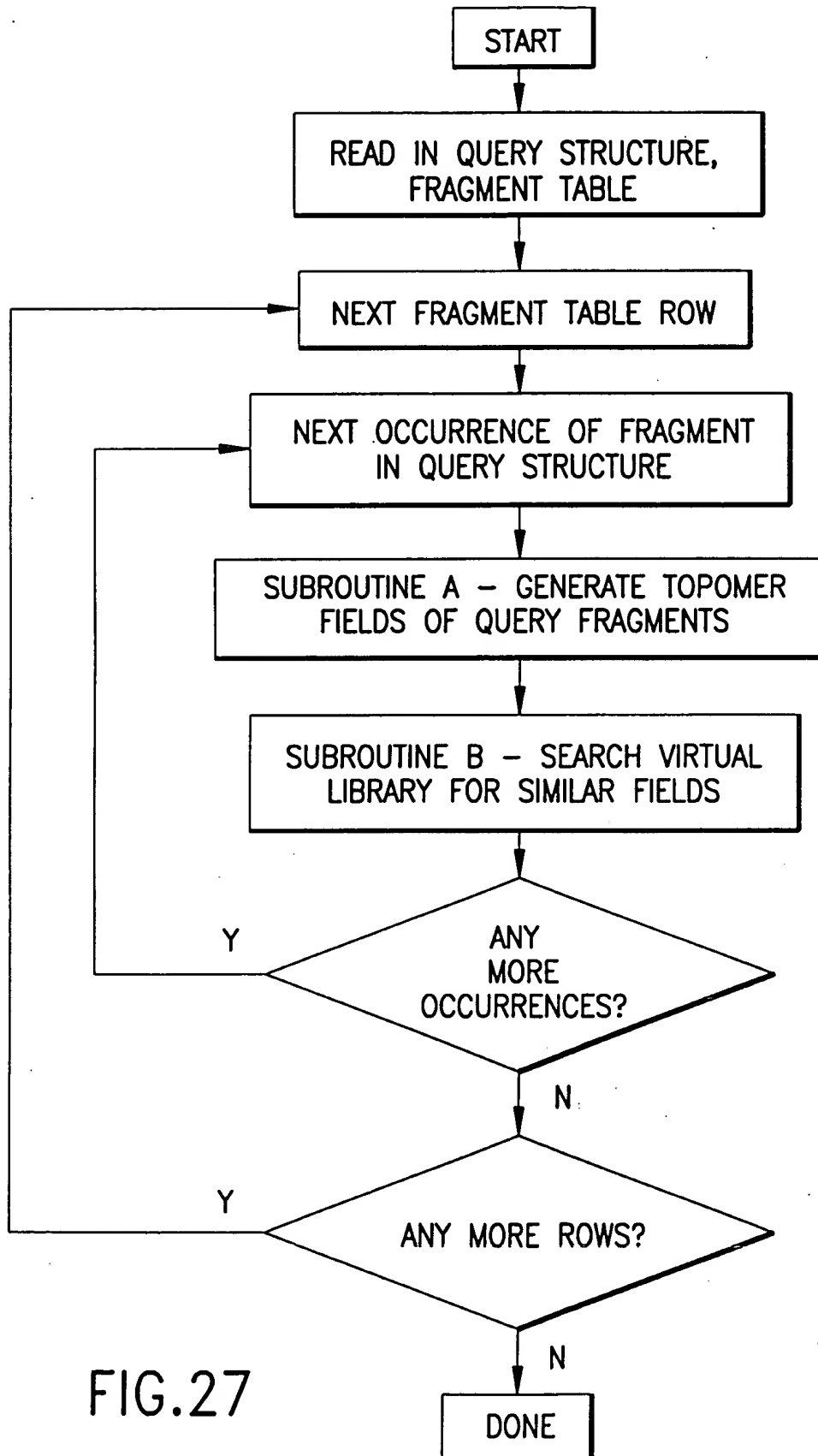


FIG.27



## SUBROUTINE A

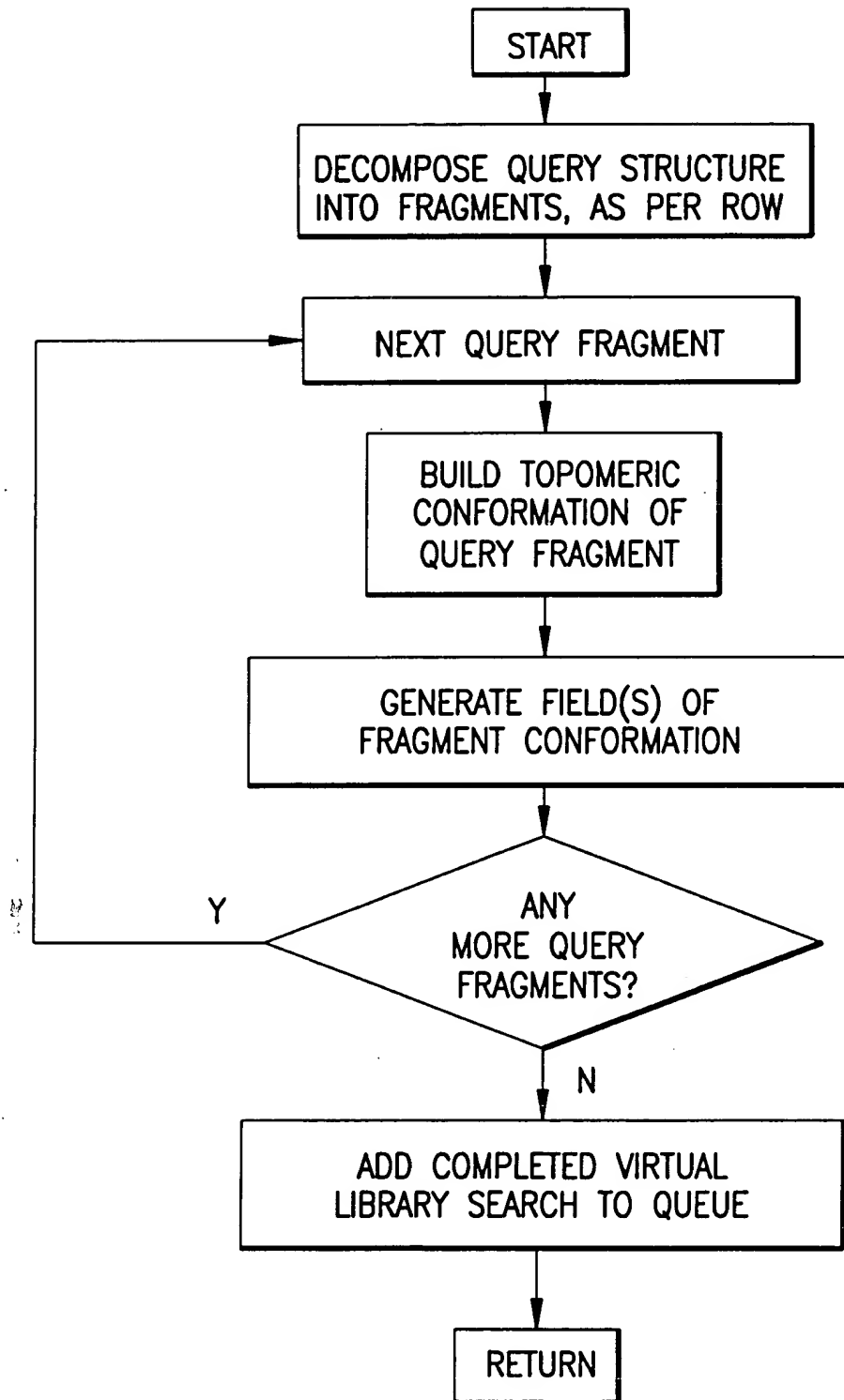


FIG.28

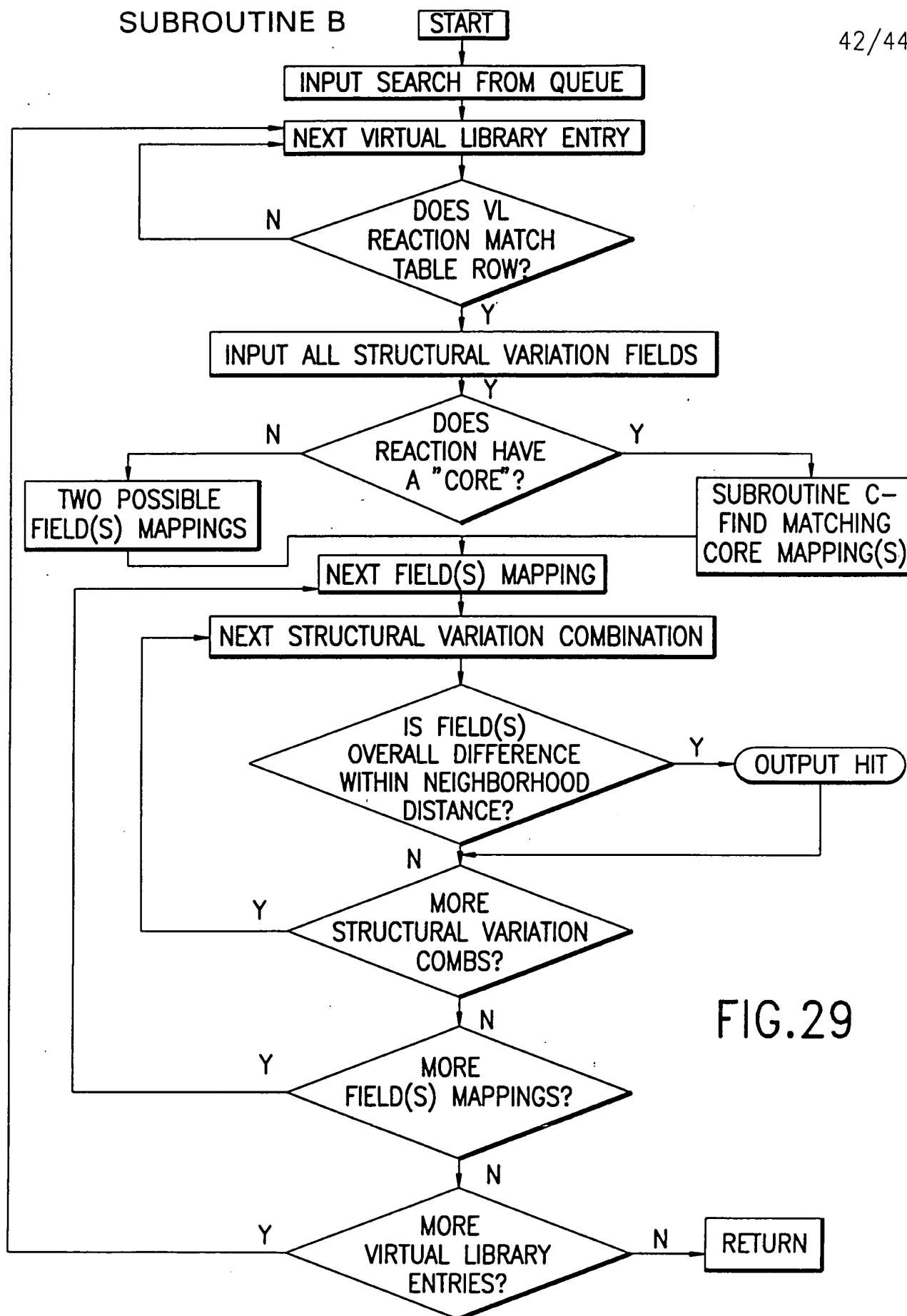


FIG. 29

[illegible]

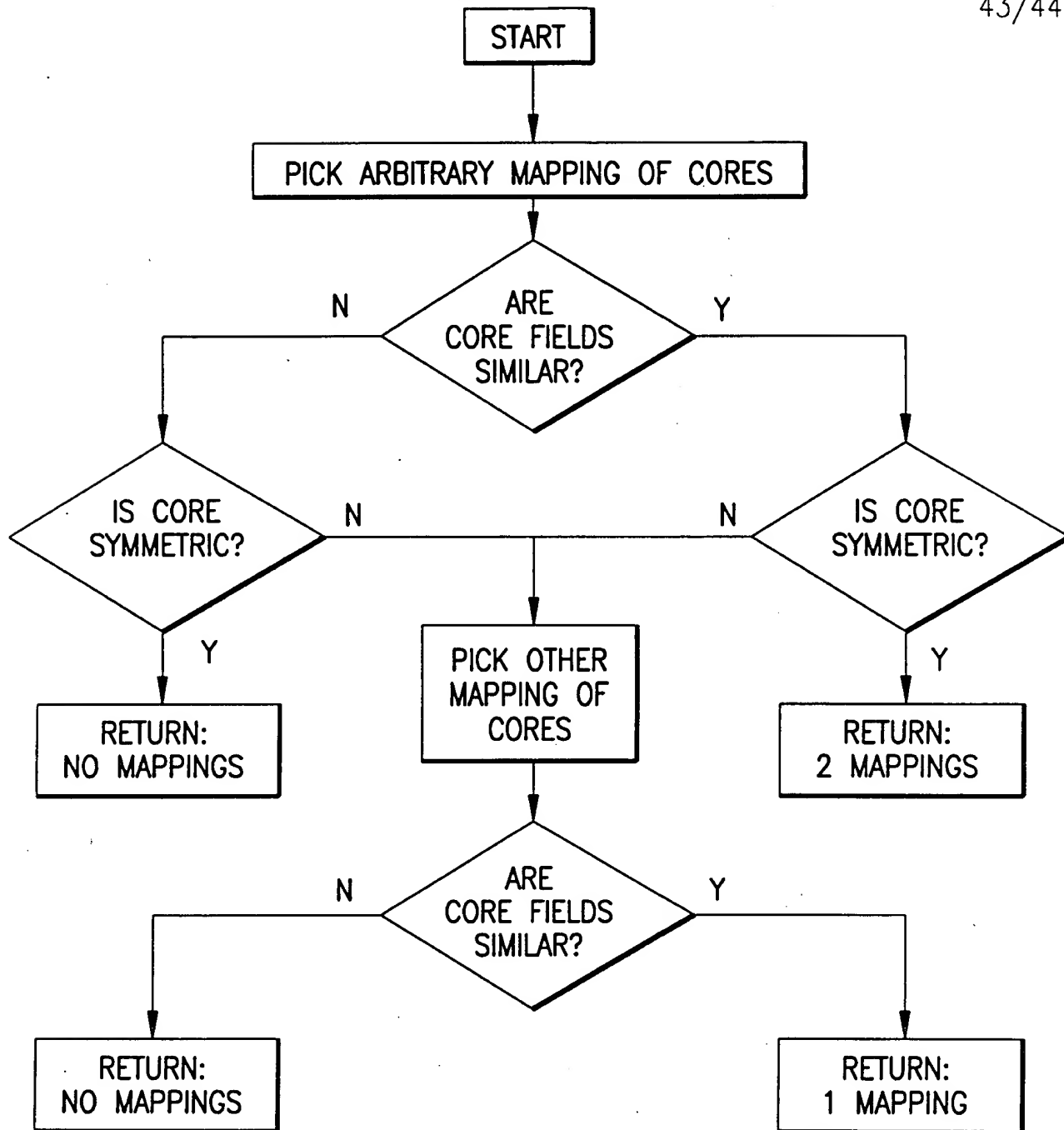


FIG.30

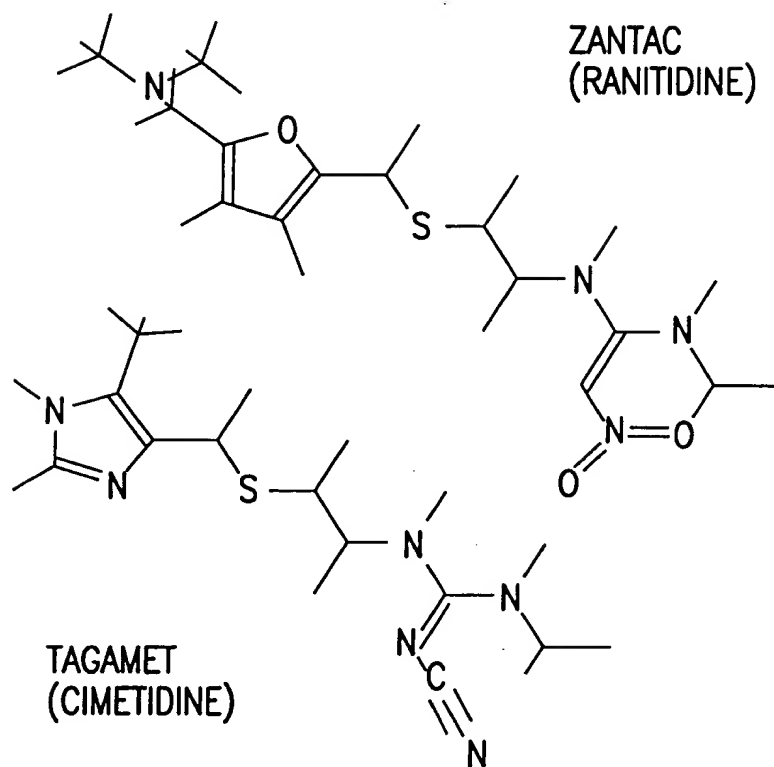


FIG.31